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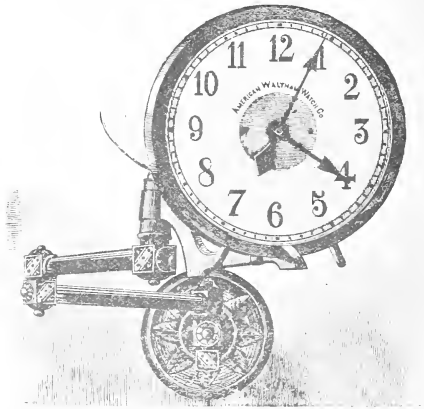

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SURPLUS

$1,400,000

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All trust funds are kept separate and apart from the assets of the Company.

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PENNSYLVANIA RAILROAD

Proved so successful last Summer, that the Company has decided to repeat them during 1888. The Service will consist of

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Select Weekly Tours

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Good for Ten Days, will be sold at $7.00

Summer of 1888

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Ass't Gen'l Pass. Agent

...OMERY

A.D. 1810

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RICHARD MARIS

ACTUARY
JAS. B. YOUNG

CASH ASSETS

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October 1st, 1887

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HONEST RELIABLE
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Darlington, Runk & Co.

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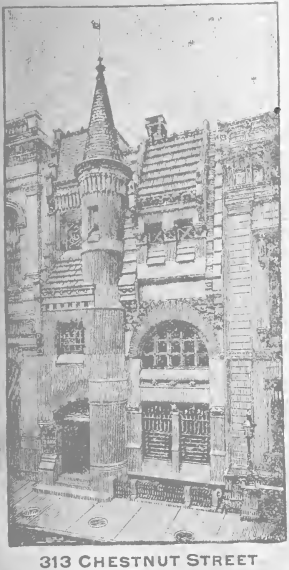
BANK OF THE REPUBLIC
PHILADELPHIA

ORGANIZED DECEMBER 5, 1865



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NOTARY
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PRESIDENT
WILLIAM H. RHAWN

CASHIER
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Capital, $500,000

Surplus, $300,000

This Bank does a General Banking and Collection Business on favorable terms, and solicits Accounts of Individuals, Firms, Banks, and Bankers, Insurance, Trust, and Railroad Companies, and other Corporations.

National Banks, in other than reserve cities, may use this Bank as a Reserve Depository.

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LIFE AND TRUST COMPANY

OFFICE
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THE PROVIDENT LIFE AND TRUST COMPANY claims to be excelled by no other company in the country. Judged by any standard, it is the peer of any of its competitors. It has always been distinguished for fairness and liberality to policyholders, safe management, progressiveness, integrity, and economy.

ITS POLICY provides that, after two years from date of policy, all restrictions whatever shall cease, save only as to military and naval service. In regard to the latter, a liberal permit is issued.

IT IS THE PRACTICE of the Company to grant certificates of extension to policyholders who are temporarily unable to pay their premiums. If application is made on or before the day on which a premium becomes due, a certificate is issued extending the time of paying the premium for a certain period. At the end of the period, without medical examination, the premium can be paid with interest. If the policyholder should die during the extension, the face of the policy would be paid, less the extended premium. This practice was originated by the Company, and, under its beneficial operation, tens of thousands of dollars have been paid to the families of deceased members.

SAMUEL R. SHIPLEY, President
T. WISTAR BROWN, Vice-President
ASA S. WING, Vice-President and Actuary

JOSEPH ASHBROOK, Manager of Ins. Dept.
J. ROBERTS FOULK, Trust Officer

"The Times" Almanac. 1888

Eclipses in 1888.

There will be five eclipses—three of the Sun and two of Moon:

A Total Eclipse of the Moon, January 28. Visible to the world generally, except to the Pacific Ocean. People resident in and around Philadelphia the Moon will appear to enter the shadow at 4.29 A. M.; total eclipse begins 5.30, ends 7.08; and leaves shadow 8.08 A. M. In the western part of the State the time will be about ten minutes earlier respectively, and in Delaware and New Jersey about three minutes later.

A Partial Eclipse of the Sun, February 11. Invisible. Visible to the Antarctic Ocean and Southern Patagonia.

A Partial Eclipse of the Sun, July 9. Invisible. Visible to the Southern Indian Ocean.

A Total Eclipse of the Moon, July 22-23. Visible to the larger part of the world, except eastern Europe and Asia. In this region Moon enters shadow 10.53 P. M.; total eclipse begins 11.52 A. M., ends 1.35 A. M. of the 23d; Moon leaves shadow 2.34 A. M. Time for balance of Pennsylvania, fifteen minutes earlier respectively, and Delaware and New Jersey three minutes later.

A Partial Eclipse of the Sun, August 7. Invisible. Visible to the Arctic Ocean and adjacent regions, including Norway and Sweden.

Legal Holidays.

New Year Day	Jan. 1
Washington's Birthday	Feb. 22
Inauguration Day	May 30
Independence Day	July 4
Thanksgiving Day (by appointment)	Nov. 29
Christmas Day	Dec. 25

Red-Letter Days.

Epiphany	Jan. 6
Septuagesima Sunday	Jan. 29
Quinquagesima (Shrove) Sunday	Feb. 12
Ash Wednesday	Feb. 15
First Sunday in Lent	Feb. 19
St. Patrick	Mar. 17
Palm Sunday	Mar. 25
Good Friday	Mar. 30
Easter Sunday	April 1
Low Sunday	April 8
Rogation Sunday	May 6
Ascension Day	May 10
Pentecost (Whit Sunday)	May 20
Trinity Sunday	May 27
Corpus Christi	May 31
First Sunday in Advent	Dec. 2
Christmas	Dec. 25

Chronological Eras.

The year 1888, which comprises the latter part of the 112th and the beginning of the 113th year of the Independence of the United States of America, corresponds to—

The year 6601 of the Julian Period;

The year 5648-49 of the Jewish era, the year 5649 commencing on September 18;

The year 2635 since the beginning of the era of Nabonassar, which has been assigned to Wednesday, the 26th of February of the 3967th year of the Julian Period; corresponding, in the notation of chronologists, to the 747th, and, in the notation of astronomers, to the 746th year before the birth of Christ;

The year 2564 of the Olympiads, or the third year of the 667th Olympiad commencing in July, 1888, if we fix the era of the Olympiads at 775½ years before Christ;

The year 1604 of the era of Diocletian;

The year 2548 of the Japanese era.

The year 1306 of the Mohammedan era, or the era of the Hegira, begins on the 19th day of September, 1888.

THE TIMES.

PUBLISHED EVERY DAY IN THE YEAR.

THE DAILY TIMES.

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THE TIMES,

PHILADELPHIA.

1888

THE present year is a most important one in many respects. It is one in which the political world will be particularly active, for the reason that in November occurs the election of a President and Vice-President of the United States and many other high officers of the Government.

All of the party organizations will make nominations for most of the important offices, but the two in which greatest popular interest centres are the Democratic and Republican conventions, which generally meet in either June or July, immediately preceding the national elections. The place of meeting is fixed by the National Committees of the respective parties.

OF WHAT IT CONSISTS.—The Republican nominating convention consists of two delegates for each Senator and member of the House of Representatives, and two for each territorial delegate in Congress. The Senatorial delegates are chosen from the State at large, but the Representative delegates must be residents of the Congressional district from which they are chosen. They are elected according to the usual rules of the party governing such elections, but the date of their election must be at least sixty days before the date fixed for the assembling of the National Convention.

Nearly the same rules govern the elections of delegates to the Democratic Convention, the principal difference in the methods of the two bodies being that in the Republican Convention a simple majority only is required to nominate, while in the Democratic Convention a two-thirds vote is required.

THE LAW IN THE CASE.—There is no statute law governing these conventions or the manner of holding them, for the reason that they are not a recognized part of the Government. They are nothing more than party organizations, and their rules and regulations may be changed either by the executive committees of the respective parties, or by the delegates sitting in convention.

All of the political parties have National committees, consisting of one person from each State and Territory. From among these there are selected a chairman, secretary, and executive committee respectively, who carry on the active management of the party organizations.

OTHER ELECTIONS THIS YEAR.—There are also to be elected this year all the members of the Fifty-first Congress, and Legislatures whose duty it will be to choose United States Senators in Alabama, Arkansas Colorado, Delaware, Georgia, Illinois, Iowa, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Nebraska, New Jersey, North Carolina, Oregon, Rhode Island, South Carolina, Tennessee, Texas, Virginia and West Virginia.

Governors and State officers are to be chosen in Alabama, Arkansas, Colorado, Connecticut, Florida, Georgia, Illinois, Indiana, Kansas, Louisiana, Maine, Massachusetts, Michigan, Missouri, Nebraska, New Hampshire, New York, Ohio, Rhode Island, South Carolina, Tennessee, Texas, West Virginia and Wisconsin. In addition to these, county officers are to be elected in most of the counties in Pennsylvania.

WHERE STATISTICAL INFORMATION IS FOUND.—Statistics about these political matters, as well as about the condition of the country in general, its material and mental progress, have long formed essential features of our almanacs. The name almanac came originally from the Arabic article, *al* and *Manah*, meaning to count—the two combined denoting a table of the civil and natural divisions of the year. Almanacs are of very ancient origin, having been in use in the East long before there were printed books. Even in that early time they contained information about the astronomical phenomena. The information was not, however, of a very accurate nature. Until recent times the extra pages in almanacs were filled with predictions about astrology and other analogous absurdities. The substitution of information on general subjects was natural.

ALMANACS INTRODUCED INTO EUROPE.—The Alexandrian Greeks had almanacs, but when they were introduced into Europe is not known. The oldest preserved almanac is in manuscript, dated in the fourteenth century, and is now kept in Corpus Christi College, University of Cambridge. Predictions about the weather are still found in our almanacs, but a few hundred years ago it was customary to put into them predictions on all sorts of subjects. The most famous of astrologers, Nostradamus, prophesied minutely the death of Henry II., of France, the execution of Charles I., of England, the great fire of London and the restoration of the Stuarts.

THE MOST FAMOUS OF ALMANACS.—One of the most famous almanacs in the world is the Liégeois. It circulates in the rural districts of France. It was first published at Liege in 1636, and from that time to this has never missed a yearly number. Rather strangely, it is published chiefly for people who cannot read. By certain symbols attached to certain dates the most unlettered persons can follow its instructions. It is principally used as a book of advice that it is cherished, the date not being regarded by the French peasantry as any particular value. Thus the rude representation of a vial denotes the proper phase of the moon under which a draught of medicine should be taken. A pill box designates the planet most propitious for pills. A pair of scissors indicates the right period for cutting the hair, and the outline of a lancet that for letting blood. The popularity of these almanacs was greatly enhanced from the fact that, by the merest accident, it chanced to predict a dire calamity during the very month that the Grande Monarche died. It could not have been a very great calamity to any nation to lose a man like any of the Louis, but the almanac nevertheless reaped the benefit of its prediction.

THE FIRST IN THIS COUNTRY.—In America the first almanac was printed in this city, on the press of William Bradford, in 1687. It was soon followed by almanacs printed in Boston and New York, all of which were more or less devoted to absurd predictions, and even more ridiculous advice. The chief merit of the books consisted in the fact that they were not large, and that their contents were consequently not great nor diversified. They were, for the most part, confined to a few dry details of strange events, some history (or more ancient than accurate), a rude drawing of Indian massacre, and some essays on mythology. At a little later period Franklin began putting out his Poor Richard's Almanac the quaint adages that made the publication celebrated, and brought it to be one of the household classics of the day.

There are a large number of very excellent almanacs issued annually in this country, many being repositories of statistical information, others have come to be political institutions, and all of them are convenient handbooks in all public and many private offices. THE PHILADELPHIA TIMES ALMANAC was first issued in 1877, and has ever since been a family favorite, as well as an authority on political, statistical and general information.

JANUARY. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK.	SUN. RISES. H. M.	SUN. SETS. H. M.	SUN. SLOW M.	MOON. RISES. H. M.	MOON. CONSTELLATION. C. D.	MOON. SOUTHS. H. M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.	HIGH TIDE PHILADELPHIA. EVEN.
Sunday after Christmas.							**Day's Length: 9h. 22m.**		
1 Sun	7 23	4 45	4	7 19	♎ 10	1 43	☾ in ♌; Circumcision.	3 3	3 27
2 Mon	7 23	4 46	4	8 25	♏ 24	2 37	☌ ☿ ♀	3 50	4 13
3 Tue	7 23	4 47	5	9 33	♐ 7	3 29	♀ gr. H. L. N. ☿ in Aphelion.	4 37	5 1
4 Wed	7 23	4 47	5	10 41	♑ 21	4 21	Venus rises 4 0 M.	5 25	5 48
5 Thu	7 23	4 48	6	11 50	♒ 5	5 11	□ ♂ ☉; ☌ ♂ ☾	6 11	6 36
6 Fri	7 23	4 49	6	morn	♓ 19	6 2	**6.** ☌ ♁ ☾; Epiphany.	7 1	7 29
7 Sat	7 23	4 50	6	0 58	♈ 4	6 53	□ ♁ ☉	7 59	8 32
First Sunday after Epiphany.							**Day's Length: 9h. 28m.**		
8 Sun	7 23	4 51	7	2 8	♉ 18	7 46	☌ ☿ ☾; ☾ in Perigee.	9 5	9 38
9 Mon	7 22	4 52	7	3 18	♊ 2	8 40	☌ ♁ ♂; ☌ ♀ ☾	10 11	10 44
10 Tue	7 22	4 53	8	4 26	♋ 16	9 36	Mars rises 0 4 M.	11 16	11 47
11 Wed	7 22	4 54	8	5 33	♌ 0	10 34	Algenib S. 4 44 A.	— —	0 17
12 Thu	7 22	4 55	9	6 32	♍ 14	11 31	☌ ☿ ☾ ☋	0 43	1 8
13 Fri	7 21	4 56	9	sets	♎ 28	Ev 28	**13.** Polaris S. 5 46 A.	1 32	1 56
14 Sat	7 21	4 57	9	6 31	♏ 11	1 21	Jupiter rises 3 20 M.	2 20	2 43
Second Sunday after Epiphany.							**Day's Length: 9h. 38m.**		
15 Sun	7 20	4 58	10	7 33	♐ 24	2 12	☾ in ♓	3 6	3 29
16 Mon	7 20	4 59	10	8 34	♑ 7	3 0	Achernar S. 5 50 A.	3 50	4 11
17 Tue	7 20	5 0	10	9 34	♒ 19	3 45	Algol S. 7h. 13m. A.	4 32	4 52
18 Wed	7 19	5 1	11	10 32	♓ 1	4 28	☌ ☿ ☉ superior.	5 12	5 31
19 Thu	7 19	5 3	11	11 29	♈ 13	5 10	Saturn rises 5 17 A.	5 50	6 10
20 Fri	7 18	5 4	11	morn	♉ 25	5 52	**20.** ☾ in Apogee.	6 30	6 51
21 Sat	7 18	5 5	12	0 25	♊ 7	6 34	♁ stationary.	7 13	7 36
Third Sunday after Epiphany.							**Day's Length: 9h. 49m.**		
22 Sun	7 17	5 6	12	1 22	♋ 19	7 18	☌ ♆ ☾	8 2	8 30
23 Mon	7 16	5 7	12	2 20	♌ 1	8 4	♂ ♄ ☉	8 59	9 28
24 Tue	7 16	5 9	12	3 18	♍ 13	8 52	☿ gr. H. L. S. ☌ ☊ β′ Scorpii.	9 56	10 24
25 Wed	7 15	5 10	13	4 15	♎ 26	9 44	Conver. of St. Paul.	10 54	11 24
26 Thu	7 14	5 11	13	5 11	♏ 9	10 37	Uranus rises 11h. 2m. A.	11 52	— —
27 Fri	7 13	5 12	13	6 5	♐ 22	11 32	☌ ♄ ☾	0 20	0 45
28 Sat	7 12	5 13	13	rises	♑ 5	morn	**28.** ☾ in ♌	1 9	1 32
Septuagesima Sunday.							**Day's Length: 10h. 3m.**		
29 Sun	7 12	5 15	13	6 13	♒ 19	0 27	Capella S. 8 33 A.	1 55	2 19
30 Mon	7 11	5 16	14	7 21	♓ 3	1 22	Nept. sets 2 8 M.	2 44	3 8
31 Tue	7 10	5 17	14	8 31	♈ 17	2 15	Rigel S. 8h. 26m. A.	3 31	3 54

JEWISH CALENDAR.—5648. January 14, Rosh Hodesh Shebat. 28, Rosh Shanah Leaylanot.

MOON'S PHASES.

Last Quarter	6d.	6h.	42m. M.	☽ First Quarter	20d. 11h. 49m. A.
New Moon	13d.	3h.	38m. M.	☾ Full Moon	28d. 6h. 19m. A.

National Political Committees.

Following are the members and officers of the National Committees of the Democratic and Republican parties, with their post-office address:

States and Territories.	DEMOCRATIC, 1884-1888.		REPUBLICAN, 1884-1888.	
	Members.	Address.	Members.	Address.
Alabama	Henry C. Semple	Montgomery.	Theo. Youngblood	Union Springs.
Arkansas	S. R. Cockrill, Jr.	Little Rock.	Powell Clayton	Eureka Springs.
California	M. F. Tarpey	East Oakland.	Horace Davis	San Francisco.
Colorado	Charles S. Thomas	Denver.	Jerome B. Chaffee	Denver.
Connecticut	William H. Barnum	Lime Rock.	Samuel Fessenden	Stamford.
Delaware	Ignatius C. Grubb	Wilmington.	Daniel J. Layton	Georgetown.
Florida	Samuel Pasco	Monticello.	Jesse D. Cole	Monticello.
Georgia	Patrick Walsh	Augusta.	F. F. Putner	Hardaway.
Illinois	S. Corning Judd	Chicago.	D. T. Littler	Springfield.
Indiana	Austin H. Brown	Indianapolis.	John C. New	Indianapolis.
Iowa	M. M. Ham	Dubuque.	J. S. Clarkson	Des Moines.
Kansas	Charles W. Blair	Leavenworth.	Cyrus Leland, Jr.	Troy.
Kentucky	Henry D. McHenry	Hartford.	J. L. Moore	Owensboro.
Louisiana	B. F. Jonas	New Orleans.	Frank Morey	Delta.
Maine	E. H. Dunbar	Lewiston.	J. M. Haynes	Augusta.
Maryland	Arthur P. Gorman	Laurel.	James A. Gary	Baltimore.
Massachusetts	Frederic O. Prince	Boston.	Wm. W. Crapo	New Bedford.
Michigan	Don M. Dickinson	Detroit.	John P. Sanborn	Port Huron.
Minnesota	P. H. Kelly	St. Paul.	Cushman C. Davis	St. Paul.
Mississippi	C. A. Johnston	Columbus.	John R. Lynch	Natchez.
Missouri	John G. Prather	St. Louis.	R. T. Van Horn	Kansas City.
Nebraska	James E. Boyd	Omaha.	Church Howe	No. Auburn.
Nevada	John H. Denning	Tuscarora.	Thomas Wren	Eureka.
New Hampshire	Alvah W. Sulloway	Franklin.	Edward H. Rollins	Dover.
New Jersey	Miles Ross	New Brunswick.	Garret H. Hobart	Paterson.
New York	[Vacancy]		John D. Lawson	New York City.
North Carolina	M. W. Ransom	Weldon.	L. W. Humphrey	Goldsboro.
Ohio	Wm. W. Armstrong	Cleveland.	A. L. Conger	Akron.
Oregon	A. Noltner	Portland.	J. T. Apperson	Oregon City.
Pennsylvania	Wm. A. Wallace	Clearfield.	B. F. Jones	Pittsburg.
Rhode Island	J. B. Barnaby	Providence.	Horace A. Jenks	Woonsocket.
South Carolina	F. W. Dawson	Charleston.	John B. Johnson	Waysville.
Tennessee	R. F. Looney	Memphis.	W. P. Brownlow	Jonesboro.
Texas	O. T. Holt	Houston.	C. C. Binckley	Sherman.
Vermont	Bradley B. Smalley	Burlington.	George W. Hooker	Brattleboro.
Virginia	John S. Barbour	Alexandria.	Frank S. Blair	Richmond.
West Virginia	Lewis Baker	Wheeling.	John W. Mason	Grafton.
Wisconsin	Wm. F. Vilas	Madison.	Edward Sanderson	Milwaukee.
Arizona	W. K. Mead	Tombstone.	Clark Churchill	Prescott.
Dakota	M. H. Day	Springfield.	John E. Bennett	Clark, Clark Co.
District of Columbia	Wm. Dickson	Washington.	Perry H. Carson	Washington.
Idaho	John Haley	Idaho City.	Sherman M. Coffin	Boise City.
Montana	W. J. McCormick	Missoula.	James A. Smith	Helena.
New Mexico	Geo. W. Fox	Socorro.		
Utah	J. B. Roseborough	Salt Lake City.	C. W. Bennett	Salt Lake City.
Washington	J. H. Kuhn	Ft. Townsend.	Thomas S. Miner	Ft. Townsend.
Wyoming	M. E. Post	Laramie City.	Joseph M. Carey	Cheyenne.

DEMOCRATIC NATIONAL COMMITTEE.

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F. O. Prince.....Secretary.
Charles J. Canda.....Treasurer, 11 Pine St., N. Y.

EXECUTIVE COMMITTEE.

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A. P. Gorman,
Wm. A. Wallace,
Wm. F. Vilas,
John S. Barbour,
B. F. Jonas,
P. H. Kelly,
Austin H. Brown,
Henry D. McHenry,
Alvah M. Sulloway,
M. W. Ransom,
M. M. Ham,
Wm. W. Armstrong,
Bradley B. Smalley,
F. W. Dawson,
Miles Ross,
S. Corning Judd,
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John G. Prather.

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OFFICERS.

B. F. Jones.....Chairman and Treasurer, *ex-officio*
Samuel Fessenden.....Secretary

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John W. Mason,
E. H. Rollins,
J. M. Haynes,
W. W. Crapo,
E. Sanderson,
G. A. Hobart,
George W. Hooker,
John D. Lawson,
Frank S. Blair,
L. W. Humphrey,
Powell Clayton,
Frank Morey,
A. L. Conger,
John P. Sanborn,
Church Howe,
Cyrus Leland,
John R. Lynch,
J. S. Clarkson,
D. J. Layton.

FEBRUARY. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK.	SUN. RISES. H.	M.	SETS. H.	M.	SLOW M.	MOON. RISES. H.	M.	CONSTELLATION. C.	D.	SOUTHS. H.	M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.	EVEN.
1 *Wed*	7	9	5	18	14	9	40	♌	2	3	7	☌ ☉ ☾	4 17	4 41
2 *Thu*	7	8	5	19	14	10	50	♌	16	3	59	☌ ☿ ☾; ☾ in Perigee.	5 5	5 28
3 *Fri*	7	7	5	21	14	11	58	♍	0	4	50	Venus rises 4h. 49m. M.	5 51	6 15
4 *Sat*	7	6	5	22	14	morn		♍	15	5	42	4. Algol S. 6h. 3m. A.	6 41	7 9
Sexagesima Sunday.												**Day's Length:**	10h. 18m.	
5 *Sun*	7	5	5	23	14	1	7	♌	29	6	36	☌ ☽ ☾	7 38	8 10
6 *Mon*	7	4	5	24	14	2	16	♍	13	7	30	Ψ stationary.	8 45	9 20
7 *Tue*	7	3	5	25	14	3	22	♍	26	8	26	Mars rises 10 59 A.	9 54	10 27
8 *Wed*	7	2	5	27	14	4	22	♎	10	9	22	☌ ♀ ☾ ☋	11 0	11 31
9 *Thu*	7	1	5	28	14	5	18	♎	23	10	18	Aldebaran S. 7 11 A.	— —	0 1
10 *Fri*	7	0	5	29	14	6	7	♎	6	11	11	Capella S. 7 46 A.	0 27	0 51
11 *Sat*	6	59	5	30	14	sets		♎	19	Ev	3	11. ☿ in ♌	1 13	1 34
Quinquagesima—Shrove Sunday.												**Day's Length:**	10h. 34m.	
12 *Sun*	6	57	5	31	14	6	21	♌	2	0	51	☌ ☿ ☾	1 55	2 17
13 *Mon*	6	56	5	33	14	7	20	♍	15	1	38	Jupiter rises 1 50 M.	2 38	2 58
14 *Tue*	6	54	5	34	14	8	19	♍	27	2	22	St. Valentine's Day.	3 18	3 37
15 *Wed*	6	53	5	35	14	9	17	♎	9	3	4	□ Ψ ☉; Ash Wed.	3 56	4 15
16 *Thu*	6	52	5	36	14	10	13	♎	21	3	46	☿ in Perihelion.	4 34	4 53
17 *Fri*	6	51	5	37	14	11	10	♎	3	4	28	☿ gr. elong E. 18° 7′; ☾ in Apogee.	5 12	5 31
18 *Sat*	6	49	5	39	14	morn		♍	15	5	12	Saturn sets 5 35 M.	5 51	6 12
First Sunday in Lent.												**Day's Length:**	10h. 52m.	
19 *Sun*	6	48	5	40	14	0	7	♍	27	5	56	19. ☌ Ψ ☾ [A.	6 33	6 55
20 *Mon*	6	47	5	41	14	1	5	♎	9	6	43	Canopus S. 8 20	7 20	7 47
21 *Tue*	6	46	5	42	14	2	2	♎	21	7	32	Uranus rises 9 17 A.	8 17	8 48
22 *Wed*	6	44	5	43	14	2	59	♎	4	8	23	Sirius S. 8 31 A.	9 19	9 51
23 *Thu*	6	43	5	45	14	3	52	♎	17	9	17	☿ stationary. ♌	10 23	10 54
24 *Fri*	6	41	5	46	13	4	44	♎	0	10	12	□ ☋ ☉; ☌ ♄ ☾; St. Matthias.	12 25	11 54
25 *Sat*	6	40	5	47	13	5	31	♍	14	11	7	☾ in ♌	— —	0 21
Second Sunday in Lent.												**Day's Length:**	11h. 10m.	
26 *Sun*	6	38	5	48	13	6	13	♍	28	morn		☿ gr. Hel. Lat. N.	0 47	1 10
27 *Mon*	6	37	5	49	13	rises		♎	12	0	2	27. Nept. sets	1 33	1 57
28 *Tue*	6	35	5	51	13	7	23	♎	27	0	56	♀ in ♒ [0 19 M.	2 21	2 45
29 *Wed*	6	34	5	52	13	8	35	♌	11	1	50	☌ ☉ ☾; ☾ in Perigee.	3 9	3 32

JEWISH CALENDAR.—5648. February 12, 13, Rosh Hodesh Adar. 23, Fast of Esther. 26, 27, Purim.

MOON'S PHASES.

☾ Last Quarter	4d.	2h.	26m. A.	☽ First Quarter	19d.	8h.	59m. A.
● New Moon	11d.	6h.	52m. A.	○ Full Moon	27d.	6h.	57m. M.

THE AMERICA CUP.

On August 22, 1851, the American yacht America won the prize known as the America cup in a race around the Isle of Wight, England, starting from Cowes without time allowances. The cutter Aurora, 47 tons, finished second. None of the other starters finished—viz., Schooners: Beatrice, 161 tons; Wyvern, 205 tons; Ione, 75 tons; Constance, 218 tons; Gypsy Queen, 160 tons, and Brilliant (3 masts), 392 tons. Cutters: Volante, 84 tons; Alarm, 193 tons; Mona, 82 tons; Bacchante, 80 tons; Freak, 60 tons, and Eclipse, 50 tons. The America was rated at 170 tons. In 1857 the cup was presented to the New York Yacht Club as a perpetual challenge cup. In 1870 the English schooner Cambria competed for the trophy, but was beaten over the 40-mile course by the Magic in 3 hours, 58 minutes and 20 seconds. In October of the following year the English schooner Livonia made five attempts and won in one of them, being twice beaten by the Columbia and twice by the Sappho. No race took place again until 1876, when the Countess of Dufferin challenged the Madeleine, but was beaten in both trials, once by 10.59 and once by 27.15 minutes. On November 9, 1881, the sloop Mischief beat the Canadian sloop Atalanta by 28.30 minutes on the inside course, and 38.54 on the outside course.

In 1882 the conditions were amended, so that since that date the challenging yacht must represent an organized yacht club, the yacht selected to be not more than 30 nor less than 300 tons burden.

The next challenge came in 1885, and the annual record since then has been as follows: September 14.—New York Yacht Club course, sloop Puritan, representing the Eastern Yacht Club, beat cutter Genesta, representing the Royal Yacht Squadron, 16 minutes and 19 seconds. September 16.—Outside course, 20 miles to leeward and return. The return was not strictly to windward, owing to the wind shifting. Puritan beat Genesta 1 minute and 38 seconds.

In 1886, September 7.—New York Yacht Club course—sloop Mayflower, representing the Eastern Yacht Club, beat cutter Galatea, representing the Royal Northern Yacht Club, 12 minutes and 2 seconds. September 11.—Outside course, 20 miles to leeward and return—Mayflower beat Galatea 20 minutes and 9 seconds. Two other attempts were made to sail these races—both were failures—in one of which the course was sailed, the Mayflower winning, but not within the fixed time of 7 hours.

Last year the Scotch cutter Thistle, Capt. Barr, sailed over the inside course on September 27, against the American sloop Volunteer, Capt. Hoff, but was beaten by 19.2 minutes. Two days later the outside course was sailed over. There was a heavy wind, but the Volunteer again won easily in 10.30 minutes, corrected time. It is said the Scotchmen spent $100,000 in their efforts to capture the cup.

On the 27th of October, 1887, a new deed was executed giving the cup as a perpetual challenge trophy, and that ten months' challenge notice will hereafter be necessary. It also provides that instead of the challenger having a right to one trial over the club course, subject to its rules, it provides that in case of disagreement there shall be sailed three outside races without allowance of time. Much latitude for adjustment is permitted, but if no agreement is effected then it is to be a best two-in-three race, ocean courses—twenty, thirty-nine and twenty miles respectively. Vessels, if of one mast, must be at least 65 and not above 90 feet long; and if two masts, at least 80 and not more than 115 feet long. The deed is much criticised, and it is freely claimed that there will be no more challenges for the cup.

STITCHES IN TIME.

Matches should always be kept in a stone or earthen jar, or tin box.

Common cheese cloth makes an excellent strainer for acid fruits.

Eating onions and horseradish is claimed to relieve dropsical swellings.

A paste of plaster-of-paris and water will fasten on the brass cover of an inkstand.

A cloth wrung out of cold water and wound around the neck is good for a sore throat.

Nothing better can be applied to a severe cut or bruise than cold turpentine; it will give relief almost instantly.

Lime water is good for chilblains. Use strong and hot. A saturated solution of alum in water, used hot, is also a curative.

If any poison is swallowed, drink instantly half a glass of cold water, with a heaping teaspoonful each of common salt and ground mustard stirred into it.

To remove machine oil from cotton goods rub the spots with hard soap and soft water as soon as they are observed, and they can be easily taken out.

Before using new earthenware place in a boiler with cold water, and heat gradually till it boils; then let remain until the water is cold. It will not be liable to crack if treated in this manner.

An excellent salve for bruises is the following: Take the leaves of catnip and bruise with salt pork in a mortar, or with a rolling-pin. If applied to flesh wounds and bruises of any kind, it will at once allay the inflammation.

If you have pictures hanging against an outer wall protect them from any possible damp by covering the backs with sheet lead, or else keep them from contact with the wall by corks fastened to the lower ends of the frames.

Stains of fruit on good table linen can be removed without injury by using the following, with care: Pour boiling water on chloride of lime, in the proportion of one gallon to a quarter of a pound; bottle it, cork it well, and in using be careful not to stir it. Lay the stain in this for a moment, then apply white vinegar and boil the table linen.

STRENGTHS OF FOOD.

The food eaten supplies the body with either warmth or strength. Most articles yield both to a greater or less extent, but some warmth only and no strength. From this table will be seen how little service alcoholic drinks are to the body. The first column gives the number of grains of strength yielded by one pound of the substance named; the second, the warmth.

	Strength.	Warmth.
Beer or Porter	1	315
Parsnips	12	425
Potatoes	24	770
Skimmed Milk	34	351
New Milk	35	378
Rice	70	2750
Bacon	78	4200
Fresh Pork	108	3100
Corn Meal	125	2800
Fresh Fish	129	980
Oatmeal	140	975
Fresh Beef	172	2300
Cheddar Cheese	310	2500
Skim Milk Cheese	360	2350

MARCH. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK		SUN. RISES. H.	M.	SETS. H.	M.	SLOW M.	MOON. RISES. H.	M.	CONSTELLATION. C.	D.	SOUTHS. H.	M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.	EVEN.
1	*Thu*	6	32	5	53	12	9	48	♌	26	2	43	☌ ♂ ☾; St. David.	3 56	4 20
2	*Fri*	6	31	5	54	12	10	59	♌	11	3	37	Venus rises 5 7 M.	4 44	5 9
3	*Sat*	6	29	5	55	12	morn		♌	25	4	31	☌ ☿ ☉ inf. ☌ ☿ ☾	5 34	5 59
	Third Sunday in Lent.												**Day's Length: 11h. 28m.**		
4	*Sun*	6	28	5	56	12	0	9	♌	9	5	26	**4.** ♂ stationary.	6 25	6 53
5	*Mon*	6	26	5	57	11	1	16	♍	23	6	22	Capella S. 6h. 12m. A.	7 22	7 55
6	*Tue*	6	25	5	58	11	2	19	♍	7	7	18	Rigel S. 7 9 A.	8 30	9 5
7	*Wed*	6	23	5	59	11	3	14	♍	20	8	13	Mars rises 9 21 A.	9 39	10 11
8	*Thu*	6	22	6	0	11	4	4	♎	3	9	6	Canopus S. 7 13 A.	10 41	11 11
9	*Fri*	6	20	6	1	10	4	48	♎	16	9	58	☌ ☿ ☾; ☾ in ♉	11 40	— —
10	*Sat*	6	19	6	2	10	5	25	♎	29	10	46	☌ ☿ ☾	0 5	0 28
	Fourth Sunday in Lent.												**Day's Length: 11h. 46m.**		
11	*Sun*	6	17	6	3	10	6	0	♏	11	11	33	Sirius S. 7h. 20m. A.	0 49	1 9
12	*Mon*	6	15	6	4	10	sets		♏	23	Ev	17	**12.** Jupiter rises 0h. 9m. M.	1 28	1 46
13	*Tue*	6	14	6	5	9	7	7	♐	5	1	0	Castor S. 7 59 A.	2 5	2 25
14	*Wed*	6	12	6	7	9	8	6	♐	17	1	42	Procyon S. 8 1 A.	2 44	3 2
15	*Thu*	6	11	6	8	9	9	3	♐	29	2	25	Pollux S. 8h. 2m. A.	3 21	3 40
16	*Fri*	6	9	6	9	9	9	58	♑	11	3	7	☿ stationary. ☾ in Apogee.	3 58	4 17
17	*Sat*	6	7	6	10	8	10	55	♑	23	3	51	☌ ♆ ☾; St. Patrick.	4 37	4 58
	Fifth Sunday in Lent.												**Day's Length: 12h. 5m.**		
18	*Sun*	6	6	6	11	8	11	52	♒	5	4	36	Saturn sets 3 37 M.	5 18	5 38
19	*Mon*	6	4	6	12	8	morn		♒	17	5	24	☉ sets. ♈; Spring begins.	6 0	6 24
20	*Tue*	6	3	6	13	7	0	48	♒	29	6	13	**20.** Regulus S. 10 6 A.	6 48	7 13
21	*Wed*	6	1	6	14	7	1	41	♓	12	7	4	☿ in ♉; ☿ stat'y.	7 41	8 12
22	*Thu*	5	59	6	15	7	2	32	♓	25	7	57	☌ ♄ ☾	8 45	9 19
23	*Fri*	5	57	6	16	6	3	21	♈	8	8	51	☾ in ♌	9 51	10 23
24	*Sat*	5	56	6	17	6	4	5	♈	21	9	46	Uranus rises 7 5 A.	10 56	11 27
	Palm Sunday.												**Day's Length: 12h. 24m.**		
25	*Sun*	5	54	6	18	6	4	45	♉	5	10	40	Annunciation.	11 56	— —
26	*Mon*	5	52	6	19	6	5	22	♉	20	11	34	Spica S. 1 3 M.	0 23	0 47
27	*Tue*	5	50	6	20	5	rises		♉	5	morn		**27.** ☌ ☿ ☿	1 10	1 33
28	*Wed*	5	49	6	21	5	7	27	♊	20	0	28	☌ ♂ ☾; ☾ in Perigee.	1 56	2 20
29	*Thu*	5	47	6	22	5	8	40	♊	5	1	23	Nept. sets 10 17 A.	2 45	3 9
30	*Fri*	5	46	6	23	4	9	54	♊	20	2	19	♄ stat. Good Friday.	3 34	3 59
31	*Sat*	5	44	6	24	4	11	5	♋	5	3	16	☌ ♃ ☾; ☿ in Aph.	4 25	4 52

JEWISH CALENDAR.—5648. March 13, Rosh Hodesh Nissan. 27, 28, Pesah, first two days.

MOON'S PHASES.

☾ Last Quarter	4d.	10h.	26m. A.	☽ First Quarter	20d.	3h.	43m. A.
☿ New Moon	12d.	11h.	21m. M.	☺ Full Moon	27d.	5h.	7m. A.

RELIGIOUS STATISTICS.

The people in the whole world according to creed may be estimated thus, in round millions: Christians, 338; Buddhism, 340; Mohammedan, 210; Brahmin, 170; Confucius, 80; Sinfoism, 14, and Judaism, 7. Of English-speaking people the Episcopalians number 21,305,000; Methodists of all descriptions, 16,000,000; Roman Catholics, 14,600,000; Presbyterians, 10,650,000; Baptists, 8,195,000; Congregationalists, 5,750,000, and Unitarians, 900,000. According to the latest statistics the number in the United States of each denomination is as follows:

Denominations.	Churches.	Ministers.	Members.
Adventist, Second	800	600	70,000
Adventist, Seventh-Day	640	144	15,570
Baptist	26,060	16,596	2,296,327
Baptist, Anti-Mission	900	400	40,000
Baptist, Free-Will	1,432	1,213	78,012
Baptist, Seventh-Day	94	110	8,539
Baptist, Six-Principle	20	12	2,000
Christian(Discipl's of Christ)	5,100	3,782	591,821
Congregational	3,804	3,713	381,697
Dunkards (the Brethren)	250	200	100,000
Episcopal, Protestant	3,013	3,725	399,990
Episcopal, Reformed	.....	100	9,448
Evangelical Association	1,576	1,545	117,027
Friends	392	200	60,000
Jews	269	202	13,683
Lutheran	5,553	3,122	950,868
Mennonite	200	350	50,000
Methodist, Episcopal	17,935	24,658	1,724,420
Methodist, Episcopal (South)	.....	11,703	860,687
Methodist, Episcopal, African	.....	1,738	387,566
Methodist, Episcopal, African Zion	.....	1,800	360,000
Methodist, Episcopal, Colored	.....	638	112,938
Methodist, Free	.....	260	12,311
Methodist, Congregational	.....	225	13,750
Methodist, Primitive	.....	52	3,369
Methodist, Protestant	.....	1,385	135,000
Methodist, Welsh Calvinistic	1,134	600	118,979
Methodist, Wesleyan	.....	400	17,087
Moravian	84	94	9,491
Mormon	654	3,906	110,377
New Jerusalem (Swedenborgian)	93	89	3,994
Presbyterian	5,858	5,218	600,695
Presbyterian (South)	2,010	1,081	123,806
Presbyterian, Cumberland	2,467	1,386	111,833
Presbyterian, Reformed	167	143	17,273
Presbyterian, United	826	719	84,573
Reformed Church (late Dutch)	509	545	80,167
Reformed Church (late German)	1,405	748	155,857
Roman Catholic	6,241	6,546	.....
Shaker	18	68	2,400
Unitarian, Congregational	335	394	17,960
United Brethren in Christ	4,524	2,196	157,855
Universalist	956	729	27,429
Winebrennerians (Church of God)	400	350	30,000

METHODIST EPISCOPAL BISHOPS.

Residence.	Name.	Elected.
St. Louis, Mo	Thomas Bowman	1872
Boston, Mass	Randolph L. Foster	1872
Chicago, Ill	Stephen M. Merrill	1872
Washington, D. C	Edward G. Andrews	1872
Denver, Col	Henry W. Warren	1880
Minneapolis, Minn	Cyrus D. Foss	1880
Buffalo, N. Y	John F. Hurst	1880
Topeka, Kan	William X. Ninde	1884
Chattanooga, Tenn	John M. Walden	1884
New Orleans, La	Willard F. Mallalieu	1884
San Francisco, Cal	Charles H. Fowler	1884
Miss. Bish'p for Africa	William Taylor	1884

PROTESTANT EPISCOPAL BISHOPS.

See.	Name.	Cons.
Alabama	Richard Hooker Wilmer	1862
Arkansas	Henry Niles Pierce (miss'y)	1870
California	William Ingraham Kip	1853
California, Northern	John H. D. Wingfield (miss'y)	1874
Colorado	John Franklin Spalding	1873
Connecticut	John Williams	1851
Dakota, North	Wm. D. Walker (miss'y)	1883
" South	William H. Hare (miss'y)	1873
Delaware		
East Carolina	Alfred A. Watson	1884
Florida	E. G. Weed	1857
Georgia	John Watrus Beckwith	1865
Illinois	Chicago: W. E. McLaren	1875
"	Quincy: Alexander Burgess	1878
"	Springfield: George F. Seymour	1878
Indiana	David B. Knickerbacker	1883
Iowa	William Stevens Perry	1876
Kansas	Thomas Hubbard Vail	1864
"	Asst., Elisha S. Thomas	1887
Kentucky	Thomas U. Dudley	1875
Louisiana	John M. Gallcher	1880
Maine	Henry Adams Neely	1867
Maryland	George Part	1885
"	Eastn: Wm. Forbes Adams	1875
Massachusetts	Benjamin H. Paddock	1873
Michigan	Samuel Smith Harris	1879
"	Western—George D. Gillespie	1875
Minnesota	Henry B. Whipple	1859
"	M. N. Gilbert, assistant	1886
Mississippi	Hugh Miller Thompson	1882
Missouri	D. S. Tuttle	
Montana	L. R. Brewer (missionary)	1880
Nebraska	George Worthington	1865
Nevada	Abiel Leonard	1887
New Hampshire	William Woodruff Niles	1870
New Jersey	John Scarborough	1875
"	Newark: Thomas A. Starkey	1880
New Mexico	Geo. K. Dunlop (missionary)	1880
New York	Henry C. Potter	1883
"	Central—Fred'k D. Huntingdon	1869
"	Western—Arthur Clevel'd Coxe	1865
"	Albany: Wm. Crosswell Doane	1869
"	Long Island: A. N. Littlejohn	1869
North Carolina	Theodore B. Lyman	1873
Ohio	Gregory Thurston Bedell	1865
"	Southern—Thomas A. Jaggar	1875
Oregon	Benj. Wistar Morris (missionary)	1868
Pennsylvania	O. W. Whittaker	1869
"	Pittsburg: C. Whitehead	1882
"	Central—M. A. deWolfe Howe	1871
"	N. S. Rulison, asst	1884
Rhode Island	Thomas March Clark	1854
South Carolina	Wm. Bell White Howe	1871
Tennessee	C. T. Quintard	1865
Texas	Alexander Gregg	1859
"	Northern—A. C. Garrett (missionary)	1874
"	Western—J. S. Johnston	1887
Utah	Abiel Leonard	1887
Vermont	Wm. Henry Augustus Bissell	1868
Virginia	Francis McNeece Whittle	1868
"	Alfred M. Randolph, assistant	1888
West Virginia	George W. Peterkin	1878
Wisconsin	Edward Randolph Welles	1879
"	Fond du Lac: J. H. H. Brown	1874
Washington Territory	John A. Paddock (missionary)	1887
Africa	Cape Palmas: S. D. Ferguson (miss.)	1884
Shanghai	China: Wm. J. Boone (miss.)	1844
Yeddo	Japan: Channing M. Williams (missionary)	1866
Horatio Southgate, late Bishop of Constantinople, Turkey. *Retired*		1844
Wyoming and Idaho	Ethelbert Talbot (mis.)	1871
Charles C. Penick, late Bishop of Cape Palmas, Africa. *Retired*		1877
S. I. J. Schereschewsky, late Bishop of Shanghai, China. *Retired*		1877

APRIL. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK.	SUN. RISES. H. M.	SUN. SETS. H. M.	SUN. SLOW M.	MOON. RISES. H. M.	MOON. CONSTELLATION. C. D.	MOON. SOUTHS. H. M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.	HIGH TIDE PHILADELPHIA. EVEN.
Easter Sunday.							**Day's Length: 12h. 43m.**		
1 *Sun*	5 42	6 25	4	morn	♌ 20	4 14	Regulus S. 9 19 A.	5 19	5 45
2 *Mon*	5 41	6 26	3	0 12	♌ 4	5 12	☿ in Aphelion. ☋	6 12	6 40
3 *Tue*	5 39	6 27	3	1 11	♌ 17	6 9	**3.** Venus rises 4	7 9	7 39
4 *Wed*	5 38	6 28	3	2 4	♍ 0	7 3	☽ ☌ ☉ [49 M.	8 11	8 44
5 *Thu*	5 36	6 29	3	2 48	♍ 13	7 55	☾ in ♉	9 16	9 46
6 *Fri*	5 34	6 30	2	3 27	♍ 26	8 45	Denebola S. 10 40 A.	10 16	10 44
7 *Sat*	5 33	6 31	2	4 2	♎ 8	9 31	Spica S. 0 16 M.	11 10	11 35
Low Sunday.							**Day's Length: 13h. 1m.**		
8 *Sun*	5 31	6 32	2	4 33	♎ 20	10 16	☌ ☿ ☾; ☌ ♁ ☾	11 59	— —
9 *Mon*	5 30	6 33	1	5 2	♎ 2	10 58	Mars rises 6 33 A.	0 20	0 39
10 *Tue*	5 28	6 34	1	5 30	♏ 14	11 40	☽ ☍ ☉ [51 M.	0 57	1 15
11 *Wed*	5 27	6 35	1	sets	♏ 26	Ev 22	**11.** Arcturus S. 0	1 33	1 51
12 *Thu*	5 25	6 36	1	7 52	♐ 8	1 5	☾ in Apogee.	2 10	2 30
13 *Fri*	5 24	6 37	0	8 49	♐ 20	1 48	☌ ☿ ☿	2 49	3 7
14 *Sat*	5 22	6 38	0	9 46	♑ 2	2 33	☌ ♆ ☾	3 27	3 47
Second Sunday after Easter.							**Day's Length: 13h. 18m.**		
15 *Sun*	5 21	6 39	FAST	10 42	♑ 14	3 19	Jupiter rises 9 48 A.	4 7	4 28
16 *Mon*	5 20	6 40	0	11 36	♑ 26	4 8	Alphacca S. 1 51 M.	4 50	5 13
17 *Tue*	5 18	6 41	1	morn	♒ 8	4 57	Antares S. 2 39 M. ♏	5 35	5 57
18 *Wed*	5 17	6 42	1	0 27	♒ 20	5 49	☽ ☌ ♄ ☾	6 22	6 48
19 *Thu*	5 15	6 43	1	1 61	♓ 3	6 41	**19.** □ ♄ ☉	7 15	7 44
20 *Fri*	5 14	6 44	1	2 0	♓ 16	7 33	Saturn sets 1 28 M.	8 16	8 49
21 *Sat*	5 13	6 45	1	2 40	♈ 0	8 25	☿ gr. Hel. Lat. S.	9 21	9 53
Third Sunday after Easter.							**Day's Length: 13h. 35m.**		
22 *Sun*	5 11	6 46	2	3 18	♈ 14	9 18	Uranus sets 4 35 M.	10 25	10 56
23 *Mon*	5 10	6 47	2	3 53	♈ 28	10 12	☌ ♁ ☾; St. George.	11 26	11 54
24 *Tue*	5 8	6 48	2	4 28	♉ 13	11 6	☌ ♂ ☾	— —	0 21
25 *Wed*	5 7	6 49	2	5 2	♉ 28	morn	♀ gr. H. L. S. St. Mark.	0 46	1 9
26 *Thu*	5 6	6 50	2	rises	♊ 14	0 2	**26.** ☾ in Perigee.	1 33	1 58
27 *Fri*	5 4	6 51	3	8 43	♊ 29	0 59	☌ ♃ ☾	2 24	2 50
28 *Sat*	5 3	6 52	3	9 55	♋ 14	1 59	Vega S. 4h. 6m. M.	3 17	3 43
Fourth Sunday after Easter.							**Day's Length: 13h. 52m.**		
29 *Sun*	5 1	6 53	3	11 0	♋ 29	2 59	Nept. sets 8 19 A.	4 10	4 37
30 *Mon*	5 0	6 54	3	11 58	♌ 13	3 59	Denebola S. 9 6 A. ☋	5 4	5 30

JEWISH CALENDAR.—5648. April 2, 3, Pesah, last two days. 11, 12, Rosh Hodesh Iyar, 25, Pesah Shenee. 29, Lag Laomer.

MOON'S PHASES.

☾ Last Quarter	3d.	7h.	41m. M.	☽ First Quarter	19d.	6h.	52m. M.
☽ New Moon	11d.	4h.	8m. M.	☺ Full Moon	26d.	1h.	22m. M.

Roman Catholic Hierarchy of the United States.

ARCHBISHOPS.

See.	Name.	Cons.
Baltimore, Md	Jas. Gibbons, Cardinal	1868
Boston, Mass	John J. Williams	1866
Chicago, Ill	Patrick A. Feehan	1865
Cincinnati, Ohio	William H. Elder	1857
Milwaukee, Wis	Michael Heiss	1868
New Orleans, La	Vacant	
New York, N. Y	M. A. Corrigan	1873
Portland, Oregon	W. H. Gross	1873
Philadelphia, Pa	Patrick J. Ryan	1872
St. Louis, Mo	Peter R. Kenrick	1841
San Francisco, Cal	Patrick W. Riordan	1883
Santa Fé. N. M	J. B. Salpointe	1869

BISHOPS.

Albany, N. Y	Francis McNeirny	1872
Alton, Ill	Vacant	
Boisé City, Idaho	A. J. Glorieux	1885
Brooklyn, N. Y	John Loughlin	1853
Buffalo, N. Y	S. V. Ryan	1868
Burlington, Vt	L. De Goesbriand	1853
Charleston, S. C	H. P. Northrop	1882
Cheyenne, Wyom. T	Maurice F. Burke	
Cleveland, Ohio	Richard Gilmour	1872
Columbus, Ohio	J. A. Watterson	1880
Covington, Ky	C. P. Maes	1885
Davenport, Iowa	H. Cosgrove	1884
Denver, Col	J. P. Machebeuf	1868
Detroit, Mich	C. H. Borgess	1870
Dubuque, Iowa	John Hanchessy	1866
Erie, Pa	Tobias Mullen	1868
Fort Wayne, Ind	Joseph Dwenger	1872
Galveston, Texas	N. A. Gallagher	1882
Grand Rapids, Mich	H. J. Richter	1883
Green Bay, Wis	Frederic Katzer	1886
Harrisburg, Pa	Vacant	
Hartford, Conn	L. S. McMahon	1879
Helena, Mont	J. B. Brondel	1879
Indian Territory	Isidore Robot	
Kansas City, Mo	John Ward Colgan	1868
La Crosse, Wis	Kilian C. Flasch	1881
Leavenworth, Kan	L. M. Fink	1871
Lincoln, Neb	Th. Bonacum	
Little Rock, Ark	Edward Fitzgerald	1867
Louisville, Ky	William G. McCloskey	1884
Manchester, N. H	D. M. Bradley	1884
Mobile, Ala	J. O'Sullivan	1885
Marquette, Mich	John Vertin	1879
Monterey, Cal	F. Mora	1873
Nashville, Tenn	J. O. Stenacher	1883
Natchez, Miss	F. Janssens	1881
Newark, N. J	W. M. Wigger	1881
Ogdensburg, N. Y	E. P. Wadhams	1872
Omaha, Neb	James O'Connor	1876
Peoria, Ill	J. L. Spalding	1877
Pittsburg, Pa	John Tuigg	1876
" "	R. Phelan (coadjutor)	1885
Portland, Me	J. A. Healy	1875
Providence, R. I	Matthew Harklns	1887
Richmond, Va	J. J. Keane	1878
Rochester, N. Y	B. J. McQuaid	1868
St. Augustine, Fla	John Moore	1877
St. Cloud, Minn	R. Seidenbush	1875
St. Paul, Minn	John Ireland	1875
Salt Lake City, Utah	Lawrence Scanlan	
San Antonio, Texas	J. C. Neraz	1881
Savannah, Ga	Thomas A. Becker	1868
Scranton, Pa	William O'Hara	1868
Springfield, Mass	P. T. O'Reilly	1870
Syracuse, N. Y	P. A. Ludden	1887
Trenton, N. J	M. J. O'Farrell	1881
Vancouver, Wash. T	Ægidius Junger	1879
Vincennes, Ind	F. S. Chatard	1878
Virginia City, Nev	P. Manogue	1881
Wheeling, W. Va	John J. Kain	1875
Wilmington, Del	Alfred A. Curtis	1886
Yankton, Dak	Martin Marty	1880

CARDINAL BISHOPS.

Name.	Office or Dignity.	Nation-ality.	Age 1887.	Cr't'd Card.
Howard, Edw'rd	Bp. of Frascati	Eng	59	1877
La Valletta, R. M.	Grand Penitent'ry.	Ital	60	1868
Martinelli, T. H	Bp. of Sabina	Ital	60	1873
Pitra, J. B	Bp. of Porto	Ital	75	1863
Sacconi, Carlo	Dean Sac. College	Ital	79	1861
Stefano, L. O	Bp. Palestrina	Ital	59	1873

CARDINAL PRIESTS.

Agnostini, D	Patriarch Venice	Ital	62	1882
Alimonda, C	Abp. Turin	Ital	69	1879
Battaglini, F	Abp. Bologna	Ital	63	1885
Benavides, F	Abp. Saragossa	Span	77	1877
Bernardow	Abp. of Sens	Fr		1886
Bianchi, A		Ital	70	1882
Bonaparte, L		Fr	59	1868
Capecelatro	Abp. Capua	Ital		1885
Cattani, J	Abp. Ravenna	Ital	64	1879
Caverot, L. M	Abp. Lyons	Fr	81	1877
Celesia, P. J	Abp. Palermo	Ital	73	1884
Czacki, W		Pol'h	54	1882
Desprez, J. F	Abp. Toulouse	Fr	80	1879
Di Canossa, L	Bp. Verona	Ital	78	1879
Ferrieri, I	Pref. Congation	Ital	77	1868
Fürstenburg, V	Abp. Olmutz	Aust	79	1879
Ganglbauer, C	Abp. Vienna	Aust	70	1884
Gibbons, J	Abp. Baltimore	Amer	53	1886
Gonzales, Z	Abp. Siviglia	Span	56	1884
Haynald, L	Abp. Kalocza	Hung	71	1879
Langénieux	Abp. Rheims	Fr		1886
Lavigerie, C. M	Abp. Algiers	Fr	62	1882
Laurenzi, C	Sec. Memorials	Ital	64	1884
Ledochowski	Abp. Posen	Pol'h	65	1875
Manning, H. E	Abp. Westminster	Eng	79	1875
Massaia, W		Ital	78	1884
Melchers, P		Ger	73	1885
Mihalovitz, J	Abp. Zagabria	Hung	73	1877
Monescillo, A	Abp. Valencia	Span	76	1884
Moran, P. F	Abp. Sydney	Irish	57	1885
Neto, J. S	Patriarch Lisbon	Port	46	1884
Parocchi, L. M	Vicar General	Ital	54	1877
Paya Y Rico	Abp. Compostella	Span	76	1877
Place	Abp. Rennes	Fr		1886
Sanfelice, W	Abp. Naples	Ital	53	1884
Schiaffino, P. M		Ital	57	1886
Serafini, L		Ital	78	1877
Silva, A. F	Bp. Oporto	Port	58	1879
Simeoni, J	Pref. Propagan	Ital	71	1875
Simor, John	Primate Hungary	Hung	74	1873
Taschereau, E. A	Abp. Quebec	Can	67	1886
Von Hohenlohe	Abp. L. Basilica	Ger	64	1866

CARDINAL DEACONS.

Christofari, C		Ital	73	1885
Hergenroether	Pref. Archives	Ger	63	1879
Massotti, I		Ital	67	1884
Mazzella		Ger	54	1886
Mertel, T	Pref. Apos. Briefs	Ital	81	1885
Newman, J. H		Eng	86	1879
Parracciani, F. R	Gr. Prior St. John	Ital	57	1886
Pecci, Joseph	Pref. Cong. Studies	Ital	80	1879
Pellegrini, A		Ital	75	1877
Randi, L. H		Ital	69	1879
Theodoli				1886
Verga, Isidore		Ital	78	1886
Zigliara, T		Ital	60	1879

PHILADELPHIA DIOCESE.

This diocese was founded by Pope Pius VII., by decree of April 8, 1809. Rev. Michael Egan, pastor of St. Mary's Church, was appointed the first Bishop. The succeeding Bishops have been Rev. Henry Conwell, 1820; Rt. Rev. F. P. Kenrick, 1830; Rt. Rev John N. Neuman, 1852; Most Rev. James F. Wood 1857, created Archbishop June 17th, 1875; and Most Rev. Patrick J. Ryan, the present Archbishop.

MAY. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS.		SUN.			MOON.			ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA.	
MONTH AND WEEK.		RISES. H. M.	SETS. H. M.	FAST M.	RISES. H. M.	CONSTELLATION. D.	SOUTHS. H. M.		MORN.	EVEN.
1	*Tue*	4 59	6 55	3	morn	♑ 26	4 56	St. Phil. & St. James.	5 56	6 23
2	*Wed*	4 58	6 56	3	0 48	♑ 9	5 51	☾ **2.** ☾ in ♉ [M.	6 50	7 17
3	*Thu*	4 56	6 57	3	1 30	♑ 22	6 42	☾ Venus rises 4 19	7 45	8 15
4	*Fri*	4 55	6 58	3	2 6	♒ 5	7 30	Spica S. 10 26 A.	8 45	9 13
5	*Sat*	4 54	6 59	4	2 37	♒ 17	8 15	☌ ☉ ♂	9 41	10 7
Rogation Sunday.								**Day's Length: 14h. 7m.**		
6	*Sun*	4 53	7 0	4	3 6	♒ 29	8 58	Arcturus S. 11 9 A.	10 32	10 56
7	*Mon*	4 52	7 1	4	3 35	♓ 11	9 40	Mars sets 3 34 M.	11 20	11 43
8	*Tue*	4 51	7 2	4	4 2	♓ 23	10 22	☌ ☿ ☾	— —	0 5
9	*Wed*	4 50	7 3	4	4 29	♈ 5	11 4	☿ in ♌; ☾ in Apogee.	0 25	0 45
10	*Thu*	4 49	7 4	4	4 56	♈ 17	11 46	☾ **10.** ☌ ☿ ☾	1 3	1 20
11	*Fri*	4 48	7 5	4	sets	♈ 29	Ev 31	☾ ☌ Ψ ☾	1 39	1 59
12	*Sat*	4 47	7 6	4	8 37	♉ 11	1 17	Alphacca S. 0 8 M.	2 19	2 40
Sunday after Ascension.								**Day's Length: 14h. 20m.**		
13	*Sun*	4 46	7 6	4	9 32	♉ 23	2 5	Jupiter rises 7 44 A.	3 1	3 23
14	*Mon*	4 45	7 7	4	10 24	♊ 5	2 54	☿ in Perihelion. ♌	3 44	4 6
15	*Tue*	4 44	7 8	4	11 13	♊ 17	3 45	☌ Ψ ☿	4 29	4 52
16	*Wed*	4 43	7 9	4	11 58	♋ 0	4 36	☌ ♄ ☾; ☾ in ♌	5 15	5 38
17	*Thu*	4 42	7 10	4	morn	♋ 12	5 27	Antares S. 0 41 M.	6 2	6 26
18	*Fri*	4 42	7 11	4	0 39	♋ 25	6 18	☾ **18.** Saturn sets	6 51	7 18
19	*Sat*	4 41	7 12	4	1 16	♌ 9	7 9	☾ ☌ Ψ ☉ [11 39 A.	7 48	8 19
Pentecost—Whit Sunday.								**Day's Length: 14h. 33m.**		
20	*Sun*	4 40	7 13	4	1 50	♌ 23	8 0	☌ ♃ β Scorpii.	8 51	9 23
21	*Mon*	4 39	7 14	4	2 24	♍ 7	8 51	☌ ♂ ☾; ☌ ☉ ☾	9 53	10 23
22	*Tue*	4 38	7 15	4	2 58	♍ 22	9 45	☿ ♃ ☉; ♂ stationary.	10 54	11 25
23	*Wed*	4 38	7 15	3	3 32	♎ 7	10 41	Vega S. 2h. 28m. M.	11 56	— —
24	*Thu*	4 37	7 16	3	4 11	♎ 22	11 39	☾ ☌ ♃ ☾; ☾ in Perigee.	0 24	0 49
25	*Fri*	4 36	7 17	3	rises	♏ 7	morn	☾ **25.** ☿ gr. H. L. N.	1 14	1 40
26	*Sat*	4 36	7 18	3	8 41	♏ 22	0 39	Uranus sets 2 17 M.	2 6	2 33
Trinity Sunday.								**Day's Length: 14h. 44m.**		
27	*Sun*	4 35	7 19	3	9 45	♐ 7	1 41	Altair S. 3 24 M. ♋	3 1	3 28
28	*Mon*	4 35	7 19	3	10 39	♐ 21	2 41	Arcturus S. 9 42 A.	3 54	4 20
29	*Tue*	4 34	7 20	3	11 26	♑ 5	3 39	Nept. rises 4 17 M.	4 46	5 12
30	*Wed*	4 34	7 21	3	morn	♑ 18	4 34	☾ in ♉	5 37	6 1
31	*Thu*	4 34	7 22	2	0 5	♒ 1	5 25	Corpus Christi.	6 25	6 48

JEWISH CALENDAR.—5648. May 11, Rosh Hodesh Sivan. 16, 17, Shebuot.

MOON'S PHASES.

☾ Last Quarter . . . . . 2d. 6h. 47m. A. | ☽ First Quarter . . . . . 18d. 6h. 5m. A.
☌ New Moon . . . . . 10d. 8h. 23m. A. | ☺ Full Moon . . . . . 25d. 8h. 40m. M.

THE HIGHEST STRUCTURES.

The following table gives the correct height, in order, of the principal structures of the world:

	Feet.
Washington Monument	555
Philadelphia Public Buildings	537¼
Cologne Cathedral	511
Great Pyramid	479
Vienna Cathedral	470
Strasburg Cathedral	468
St. Peter's, Rome	448
Cremona Cathedral	396
Florence Cathedral	380
St. Paul's, London	365
St. Mark's, Venice	353
Cathedral, Milan	350
Victoria Tower, Western Palace	340
Cathedral, New York	338
Capitol, Washington	287
Trinity, New York	280
Westminster Abbey	225
Bunker Hill Monument	221

THE BOOT TRADE.

The American boot machine enables one man to make 300 pairs of boots daily. Some single factories in Massachusetts turn out as many finished pairs yearly as do 32,000 hand-bootmakers of Paris. There are in use about 4000 boot machines in this country, and they produce almost 200,000,000 pairs of boots every year.

MAKING NEW BOOKS.

About one hundred new works are published daily, or 30,000 per annum, without counting new editions of old works. The average edition of books is 1000 copies, and on this basis Germany prints 14,560; France, 7000; Great Britain, 5771, and the United States, 2500, or a total of 30,000 volumes of new books annually.

BRICKS.

The consumption of bricks in the United States is 600,000,000 monthly, against 250,000,000 in Great Britain and all of her colonies. A 16-horse power machine can make 30,000 bricks daily. Fire bricks will resist a crushing force varying from 600 to 3000 pounds per square inch.

EDITIONS OF THE BIBLE.

No less than 1326 editions of the Bible were published in the 16th century. In the 17th and 18th it was translated and published in many languages by the polyglot press of Propaganda Fide at Rome. In the 19th century the English and American societies have printed, of the Protestant version, 124 millions of copies, viz.: the British, 74 millions; American, 32 millions, and other societies, 15 millions.

HONEY PRODUCTION.

A hive of 5000 bees produces about 50 lbs. of honey yearly, and multiplies tenfold in five years. Bees eat 20 lbs. of honey in making a pound of wax. The largest bee owner in the world is Harrison, of California, who has about 7000 swarms, producing 200,000 lbs. annually, worth $40,000. There are about 70,000 bee growers in this country, but they only average 22 lbs. from each of their hives, while in England there are cases reported where 120 lbs. have been secured in a single season.

FARM AND GARDEN.

Use every endeavor to induce the birds to build near the house and barn, as they are the best insect exterminators.

It is best not to allow a tree to so overload itself with fruit as to compel the use of props to the limbs. The fruit should be thinned out, leaving only the choicest.

Where a young tree runs up in height with but few strong branches and a slender trunk, the top should be trimmed off a few inches, especially of the main shoots.

A mixture of marl, wood ashes, and rich earth makes an excellent manure for young trees. No animal manure should be used unless it be completely decomposed.

In turning weeds under, the work will be thrown away unless they be completely covered, as covering the roots only and leaving the tops out of the ground will permit them to continue growing.

A pound of copperas, costing three cents, in a bucket of water, sprinkled from a watering-pot in the pig pen, will provide a cheap and excellent disinfectant, and will also largely assist in preventing disease.

If the vines be watered with a decoction of bitter plants, such as wormwood, worms will be unable to live upon them. The use of quassia wood kills all insects and worms. In Smyrna, where quassia trees grow, no birds live in them, and neither insects nor worms are found at their roots. The method is neither expensive nor laborious.

STANDARD TIME.

On Sunday, November 18th, 1883, most of the railroad companies of the United States began to run their trains by "Standard Time." This time is calculated for the meridians of 60, 75, 90 and 105 degrees of longitude west from Greenwich. Each of these meridian lines is made the centre of a space or belt 15 degrees in width, and over these spaces the time of running trains is regulated by the time at the centre meridian line of each belt. This method of computing time has been generally, and in many cities officially, adopted. Sixtieth meridian time, or "Atlantic Time," applies to New Brunswick, Nova Scotia, etc. The next division, that from 67½ to 82½ degrees, is governed by 75th meridian, or "Eastern Time." This belt extends from the eastern boundary of Maine nearly to Detroit, Mich. "Central Time" prevails for a space extending from 82½ degrees to 97½ degrees. The time between 97½ and 112½ degrees is known as "Mountain Time." Beyond the 112½ degree line "Western Time" is the standard. The variation of time between adjacent belts is exactly one hour, the faster time being at the East. Thus, at 12 o'clock M. "Eastern Time," it is 11 A. M. "Central Time," 10 A. M. "Mountain Time," and 9 A. M. "Western Time."

LEGAL PATENT FEES.

On filing each application for a patent	$15
On issuing each original patent (17 years)	20
On application for reissue	30
On application for extension	50
On granting every extension of patent (7 years)	50
On each caveat	10
On appeal to examiners-in-chief	10
On appeal to Commissioner of Patents	20
On filing a disclaimer	10
On application for design (3½ years)	10
On application for design (7 years)	15
On application for design (14 years)	30
On each trade mark (30 years)	25
On each label (28 years)	6

JUNE. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. Month and Week.		SUN. Rises. H. M.	SUN. Sets. H. M.	SUN. Fast M.	MOON. Rises. H. M.	MOON. Constellation. C. D.	MOON. Souths. H. M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. Morn.	HIGH TIDE PHILADELPHIA. Even.
1	*Fri*	4 33	7 22	2	0 39	♋ 14	6 12	**1.** ☌ ☿ ☿	7 12	7 37
2	*Sat*	4 33	7 23	2	1 10	♋ 26	6 56	Venus rises 4 2 M.	8 2	8 29
	First Sunday after Trinity.							**Day's Length: 14h. 51m.**		
3	*Sun*	4 32	7 23	2	1 38	♌ 8	7 39	Spica S. 8h. 28m. A.	8 57	9 23
4	*Mon*	4 32	7 24	2	2 5	♌ 20	8 21	Arcturus S. 9 19 A.	9 48	10 12
5	*Tue*	4 32	7 25	2	2 32	♍ 2	9 2	☌ in ♍	10 36	11 1
6	*Wed*	4 32	7 25	1	2 59	♍ 14	9 45	☌ ♁ ☿; ☾ in Apogee.	11 25	11 48
7	*Thu*	4 31	7 26	1	3 29	♍ 26	10 28	☌ ♆ ☾	— —	0 11
8	*Fri*	4 31	7 26	1	4 2	♎ 8	11 4	☌ ☿ ☾	0 33	0 54
9	*Sat*	4 31	7 27	1	sets	♎ 20	Ev 1	**9.** Mars sets 1h. 20m. M.	1 13	1 32
	Second Sunday after Trinity.							**Day's Length: 14h. 56m.**		
10	*Sun*	4 31	7 27	1	8 21	♎ 2	0 51	Alphacca S. 10 10 A.	1 54	2 17
11	*Mon*	4 31	7 28	0	9 11	♏ 14	1 42	☌ ☿ ☾; St. Barnabas. ♋	2 40	3 2
12	*Tue*	4 31	7 28	0	9 59	♏ 27	2 33	☿ gr. elong. E. 20° 24′ ☌ ♄ ☾	3 24	3 74
13	*Wed*	4 31	7 29	0	10 41	♐ 9	3 24	Antares S. 10 51 A.	4 10	4 33
14	*Thu*	4 31	7 29	SLOW	11 19	♐ 22	4 15	Jupiter sets 3 7 M.	4 56	5 20
15	*Fri*	4 31	7 29	0	11 53	♑ 5	5 5	Vega S. 0h. 57m. M.	5 43	6 5
16	*Sat*	4 31	7 30	1	morn	♑ 19	5 54	**17.** Saturn sets 9h. 56m. A.	6 28	6 53
	Third Sunday after Trinity.							**Day's Length: 14h. 59m.**		
17	*Sun*	4 31	7 30	1	0 26	♒ 3	6 44	☿ in ♍; ☌ ☌ ☾	7 20	7 48
18	*Mon*	4 31	7 31	1	0 59	♒ 17	7 35	☌ ♁ ☾	8 19	8 51
19	*Tue*	4 31	7 31	1	1 31	♓ 1	8 28	♁ stationary. ♀ in ♌	9 24	9 57
20	*Wed*	4 31	7 31	1	2 6	♓ 16	9 23	☉ enters ♋; Summer begins.	10 29	11 1
21	*Thu*	4 31	7 31	2	2 44	♓ 1	10 21	☌ ♃ ☾. ☾ in Perigee.	11 33	— —
22	*Fri*	4 32	7 32	2	3 29	♈ 16	11 21	Uranus sets 0h. 30m. M.	0 4	0 33
23	*Sat*	4 32	7 32	2	rises	♈ 1	morn	**23.** Altair S. 1 38 M.	1 0	1 26
	Fourth Sunday after Trinity.							**Day's Length: 15h. 0m.**		
24	*Sun*	4 32	7 32	2	8 25	♈ 15	0 22	St. John, Bapt. ☋	1 51	2 18
25	*Mon*	4 32	7 32	2	9 17	♈ 29	1 23	☿ stationary.	2 45	3 10
26	*Tue*	4 33	7 32	3	10 2	♉ 13	2 20	☾ in ♍	3 35	4 0
27	*Wed*	4 33	7 32	3	10 40	♉ 26	3 14	☿ in Aphelion.	4 24	4 47
28	*Thu*	4 34	7 32	3	11 12	♊ 9	4 4	Nept. rises 2 23 M.	5 10	5 31
29	*Fri*	4 34	7 32	3	11 40	♊ 22	4 51	St. Peter and St. Paul.	5 52	6 23
30	*Sat*	4 35	7 32	3	morn	♋ 5	5 35	**30.** Vega S. 11 54 A.	6 34	6 56

JEWISH CALENDAR.—5648. June 9, 10, Rosh Hodesh Tamooz. 26, Fast of Tamooz.

MOON'S PHASES.

☾ Last Quarter . . . . . 1d. 7h. 53m. M.
☽ New Moon . . . . . 9d. 11h. 34m. M.
☾ Last Quarter . . . . . 17d. 1h. 50m. A.
☽ First Quarter . . . . . 23d. 4h. 7m. A.
☽ Full Moon . . . . . 30d. 10h. 52m. A.

HANDY INTEREST RULES.

The answer in each case being in cents, separate the two right-hand figures of the answer to express in dollars and cents.

Four per cent.—Multiply the principal by the number of days to run, separate right-hand figure from the product, and divide by nine.

Five per cent.—Multiply by number of days and divide by seventy-two.

Six per cent.—Multiply by number of days, separate right-hand figure, and divide by six.

Eight per cent.—Multiply by number of days and divide by forty-five.

Nine per cent.—Multiply by number of days, separate right-hand figure, and divide by four.

Ten per cent.—Multiply by number of days and divide by thirty-five.

Twelve per cent.—Multiply by number of days, separate right-hand figure, and divide by three.

THE PRODUCTION OF SALT.

The following shows the production of salt in the various States according to the latest returns:

	Establishments.	Dollars Capital.	Hands Employed.	Wages Paid during the Year in Dollars.	Bushels Salt Made.	Total Value of Products in Dollars.
California	25	375,650	188	59,629	884,743	121,650
Kansas	1	6,000	2	700	13,000	5,700
Kentucky	3	20,000	34	8,750	83,000	21,950
Louisiana	1	250,000	45	11,000	312,000	56,160
Massachusetts	5	9,000	8	1,040	9,575	3,800
Michigan	80	2,147,200	1,468	541,852	12,425,885	2,291,313
Nevada	7	45,300	36	9,688	182,408	92,640
New York	69	2,286,081	1,012	274,087	8,748,263	1,107,760
Ohio	25	832,600	453	105,261	2,630,301	363,791
Pennsylvania	16	251,500	137	52,047	851,450	177,415
Texas	3	92,000	19	8,150	50,000	29,700
Utah	10	13,400	73	20 932	484,800	60,280
Virginia	1	1,000,000	76	14,219	425,895	127,678
West Virginia	15	910,000	736	164,227	2,679,438	380,369
Wyoming Ter	1	3,000	2	1,460	5,000	8,760
Total	268	8,225,740	1,289	1,260,023	29,805,298	4,829,566

FOREIGN IRONCLADS.

The following are the names of the prominent ironclad vessels of England, France, Russia, Germany and Italy: English ironclads: Agincourt, Devastation, Inflexible, Benbow, Colossus, Thunderer. French ironclads: Admiral Baudin, Admiral Duperre, Courbet, Devastation, Bayard, Turenne. Russian ironclads: Peter the Great, Tchesma, Sinope, Catherine II., Admiral Nakhimoff, Alexander II. German ironclads: Kaiser, Deutschland, König Wilhelm, Sachsen, Bayern, Würtemberg. Italian ironclads: Duilio, Dandolo, Italia, Lepanto, Francesco, Morosini, Re Umberto.

AN ANCIENT FRAUD.

The prejudice of our forefathers against the Hessians or foreign mercenaries who were sent to this country by the English Government to subdue the colonies was so great that these troops were always spoken of with contempt. They were really regarded among the best soldiers in Europe. The contract of England with the Landgrave of Hesse called for 12,700 men, besides "three corps of artillery," the latter probably numbering a few hundred gunners in all. But the Landgrave practiced the grossest frauds, receiving pay for the full number, counting incomplete battalions, deserters, the dead, etc. In addition to the Hessians, England employed 5723 Brunswickers in the Revolutionary War.

OUR AGRICULTURAL PRODUCTS.

CENSUS OF 1880.

Barley, bushels	44,113,495
Buckwheat, bushels	11,817,827
Butter, pounds	777,250,287
Cheese, pounds	27,272,489
Cotton, bales	5,755,359
Hay, tons	35,107,712
Hops, pounds	26,554,378
Indian Corn, bushels	1,754,861,535
Molasses (cane), gallons	16,573,273
Oats, bushels	407,858,999
Orchard products	850,876,154
Potatoes, Irish, bushels	169,455,539
Potatoes, Sweet, bushels	33,376,603
Rice, pounds	110,191,373
Rye, bushels	19,831,595
Sugar (cane), hogsheads	178,872
Tobacco, pounds	472,661,157
Wheat, bushels	459,478,503
Wool, pounds	155,681,751

Number of horses, 10,357,488; mules and asses, 1,812,808; working oxen, 993,841; milch cows, 12,443,120; other cattle, 22,488,550; sheep, 35,192,074; swine, 47,681,700.

The following are the United States census reports of the production of the principal cereals in the United States in the several census years:

	1850.	1860.	1870.	1880.
	Bushels.	Bushels.	Bushels.	Bushels.
In. Corn	592,071,104	833,792,742	760,944,549	1,754,861,535
Wheat	100,485,944	173,104,924	287,745,626	459,479,505
Oats	146,584,179	172,643,185	282,107,157	407,858,999
Barley	5,167,015	15,825,898	29,761,305	44,113,495
Rye	14,188,813	21,101,380	16,918,795	19,831,595
B'kwheat	8,956,912	17,571,818	9,821,721	11,817,827

WORTH KNOWING.

Salt sprinkled over anything that is burning on the stove will prevent any disagreeable odor.

Mildewed linen may be restored by soaping the spots, and while wet covering them with powered chalk.

Paint splashes may be removed from window panes by a very hot solution of soda, using a soft flannel.

A sure way to make flannels yellow is to hang them in the sun. They should be dried in the air and shade to keep them white.

Windows should never be washed while the sun shines upon them, as it is impossible to polish them without leaving blue streaks.

A strong infusion made by boiling smartweed for a few minutes in water, and applied when cold to window glass, will effectually prevent flies and other insects from lighting on and specking it for twenty-four hours.

A ring that fits too snugly on the finger may be removed by the use of a needle and thread. Thread a needle with coarse linen thread or silk; pass the eye of the needle under the ring to get one end of the thread above the ring; then wind the thread around the finger (below the ring) tightly; secure the end of the thread, then unwind the end above the ring.

For a quick filter take a clear piece of chamois skin, free from thin pieces, cut it of the desired length, wash in a weak solution of sal soda or any alkali to remove the grease, and rinse thoroughly in cold water before using. Tinctures, elixirs, sirups, and even mucilages are filtered rapidly. A pint of the thickest sirup will run through in four or five minutes. By washing thoroughly after each time of using it will last a long time.

JULY. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK	SUN. RISES. H. M.	SUN. SETS. H. M.	SUN. SLOW. M.	MOON. RISES. H. M.	MOON. CONSTELLATION. D.	MOON. SOUTHS. H. M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.	HIGH TIDE PHILADELPHIA. EVEN.
Fifth Sunday after Trinity.							**Day's Length: 14h. 57m.**		
1 Sun	4 35	7 32	4	0 8	♈ 17	6 18	Alphacca S. 8 48 A.	7 18	7 42
2 Mon	4 36	7 31	4	0 35	♈ 29	7 0	Venus rises 4 27 M.	8 7	8 33
3 Tue	4 36	7 31	4	1 2	♉ 11	7 42	☉ in Apogee. ☾ in Apogee.	9 0	9 26
4 Wed	4 37	7 31	4	1 31	♉ 22	8 25	□ ♁ ☉	9 53	10 20
5 Thu	4 38	7 31	4	2 2	♊ 4	9 10	♂ Ψ ☾	10 46	11 12
6 Fri	4 38	7 31	5	2 38	♊ 16	9 56	Antares S. 9 21 A.	11 38	— —
7 Sat	4 39	7 30	5	3 18	♊ 29	10 45	Mars sets 11 46 A.	0 3	0 28
Sixth Sunday after Trinity.							**Day's Length: 14h. 51m.**		
8 Sun	4 39	7 30	5	4 3	♋ 11	11 36	♂ ☿ ☉ inf.	0 50	1 12
9 Mon	4 40	7 30	5	sets	♋ 23	Ev 28	**9.** ☾ in ♌	1 34	1 56
10 Tue	4 41	7 30	5	8 40	♌ 6	1 20	♂ ♄ ☾	2 19	2 42
11 Wed	4 41	7 29	5	9 19	♌ 19	2 12	♂ ♀ ☉ superior.	3 5	3 29
12 Thu	4 42	7 29	5	9 55	♍ 2	3 3	Vega S. 11h. 7m. A.	3 52	4 14
13 Fri	4 42	7 28	6	10 29	♍ 16	3 52	Jupiter sets 1 6 M.	4 36	4 59
14 Sat	4 43	7 28	6	11 1	♎ 0	4 42	♂ ♁ ☾	5 22	5 44
Seventh Sunday after Trinity.							**Day's Length: 14h. 43m.**		
15 Sun	4 44	7 27	6	11 34	♎ 14	5 31	♂ ♂ ☾	6 6	6 30
16 Mon	4 45	7 26	6	morn	♎ 28	6 22	**16.** Altair S. 0h.	6 55	7 22
17 Tue	4 46	7 26	6	0 7	♏ 12	7 14	♂ ♃ ☾ [7m. M.	7 53	8 25
18 Wed	4 47	7 25	6	0 43	♏ 26	8 9	☿ gr. Hel. Lat. S.	8 59	9 34
19 Thu	4 48	7 24	6	1 23	♐ 11	9 7	☿ stationary. ☾ in Perigee.	10 9	10 43
20 Fri	4 49	7 23	6	2 9	♑ 25	10 6	Fomalh. S. 2 57 M.	11 16	11 48
21 Sat	4 50	7 23	6	3 2	♑ 10	11 6	Saturn sets 7 50 A.	— —	0 18
Eighth Sunday after Trinity.							**Day's Length: 14h. 32m.**		
22 Sun	4 50	7 22	6	4 0	♑ 24	morn	□ ♂ ☉	0 46	1 11
23 Mon	4 51	7 22	6	rises	♒ 8	0 5	**23.** ♃ stationary. ♀ in Perihelion.	1 35	2 0
24 Tue	4 52	7 21	6	8 33	♒ 21	1 1	Markab S. 2 49 M.	2 26	2 50
25 Wed	4 53	7 20	6	9 9	♓ 4	1 53	St. James.	3 12	3 34
26 Thu	4 54	7 19	6	9 40	♓ 17	2 42	Uranus sets 10 13 A.	3 55	4 16
27 Fri	4 54	7 18	6	10 9	♓ 0	3 28	♂ ♄ ♀	4 36	4 57
28 Sat	4 55	7 17	6	10 37	♈ 13	4 12	Antares S. 7 54 A.	5 17	5 36
Ninth Sunday after Trinity.							**Day's Length: 14h. 20m.**		
29 Sun	4 56	7 16	6	11 4	♈ 25	4 55	☿ gr. elong W. 19° 31′	5 56	6 16
30 Mon	4 57	7 15	6	11 32	♉ 7	5 37	**30.** Neptune rises 0h. 20m. M.	6 36	6 57
31 Tue	4 58	7 14	6	morn	♉ 19	6 20	☾ in Apogee.	7 20	7 45

JEWISH CALENDAR.—5648. July 9, Rosh Hodesh Ab. 17, Tishabeab. 23, Tubeab.

MOON'S PHASES.

☽ New Moon	9d.	1h. 16m. M.	☽ Full Moon	23d.	0h. 45m. M.
☽ First Quarter	16d.	7h. 13m. M.	☾ Last Quarter	30d.	3h. 29m. A.

LEGAL HOLIDAYS IN THE VARIOUS STATES.

JANUARY 1.—NEW YEAR DAY: In Alabama, California, Colorado, Connecticut, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Maine, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New York, Ohio, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, West Virginia, and Wisconsin.

JANUARY 8.—ANNIVERSARY OF THE BATTLE OF NEW ORLEANS: In Louisiana.

FEBRUARY 22.—WASHINGTON'S BIRTHDAY: In California, Colorado, Connecticut, Florida, Georgia, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, South Carolina, Texas, Virginia, West Virginia, and Wisconsin.

FEBRUARY 22, 1887.—MARDI-GRAS: In Louisiana, and the cities of Mobile, Montgomery, and Selma, Alabama.

MARCH 2.—ANNIVERSARY OF TEXAN INDEPENDENCE: In Texas.

MARCH 4.—FIREMEN'S ANNIVERSARY: In New Orleans, La.

APRIL 8, 1887.—GOOD FRIDAY: In Louisiana, Maryland, Minnesota, and Pennsylvania.

APRIL 21.—ANNIVERSARY OF THE BATTLE OF SAN JACINTO: In Texas.

APRIL 26.—MEMORIAL DAY: In Georgia.

MAY 30.—DECORATION DAY: In California, Colorado, Connecticut, Iowa, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont.

JULY 4.—INDEPENDENCE DAY: In all the States.

NOVEMBER 8, 1887.—GENERAL ELECTION DAY: In California, Florida, Maryland, Missouri, New Jersey, New York, South Carolina, Texas, and Wisconsin.

NOVEMBER 24, 1887.—THANKSGIVING DAY: In all the States.

DECEMBER 25.—CHRISTMAS DAY: In all the States.

Sundays and Fast Days (whenever appointed) are legal holidays in all the States.

STANDING ARMIES.

The standing armies of Europe have increased 60 per cent. in 50 years. The ratio of combatants to population has remained unchanged during the past 25 years. During the latter period the war expenditure has risen 30 per cent. Combined they absorb 10 days' earnings of all the people of Europe each year. Russia has the largest standing army in the world, numbering 798,125 men. Italy has 730,013; France, 558,607; Germany, 461,243; Turkey, 290,342; Austria, 279,246; Great Britain, 194,882; Spain, 173,427; Switzerland, 114,620; Canada, 45,152, and the United States, 35,858. These figures include the land and naval forces.

THREE GOOD BUSINESS HINTS.

Never sign a paper without reading it; and if, after reading, you do not understand it, have it thoroughly explained before you put a signature to it. It is best to get some third person, who is not interested in the matter at all, to explain the meaning of what is not clear, or to point out words that may have two meanings in the document.

Always make a memorandum in your little book of any contract you undertake for money or any agreement to work. It saves much trouble to keep a memorandum-book and put down the dates when you either pay or receive money. Whenever money passes on account, set it down. If any money or thing of value goes through your hands, give a receipt for it and make a memorandum. Your receipt settles the amount that passes, and that cannot be disputed. When you pass it to a third party, get a receipt and keep it. This form is as important in the transfer of income, trust-money, or valuables among your own family as with other persons.

Never allow a person to do any service for you without first agreeing upon the cost to you. This rule, strictly adhered to, will save you many annoyances.

AIDS FOR THE TOILET.

LIP SALVE.—Warm before the fire till perfectly blended one ounce of oil of sweet almonds, a quarter of an ounce of white wax, and half an ounce of spermaceti. Add four or five drops of oil of rose or lavender, and four grains of cochineal to color it.

ROUGHNESS OF THE SKIN.—A good tablespoonful of oatmeal, boiled in a small quantity of water, and added to the water used for washing, is the best emollient for any roughness or eruption of the skin. Another simple and excellent cosmetic is to infuse horseradish in cold milk, and wash the face with the infusion.

PERFUME FOR THE HANDKERCHIEF.—Half an ounce each of essence of violet, tuberose, jasmine, and clove gilly-flower, one drachm each of oil of cedrat and roses, six drops of essence of ambergris, and one grain each of musk and camphor; mix all well together in a tablespoonful of spirits of wine, then pour over them a pint of highly rectified spirits of wine, shake and let it stand a fortnight. Then filter and bottle.

OUR COIN DIES.

The die of the Goddess of Liberty used on our coins was first cut by Mr. Spencer, the inventor of the Spencer lathe. He cut a medallion of Mrs. Washington, wife of Gen. Washington, and some of the first issue of coins were struck with her portrait. When Gen. Washington first saw them he was much displeased, and requested that the figure be changed. Mr. Spencer then placed a cap on the head, altered the features a little and called it the Goddess of Liberty.

ACQUISITION OF TERRITORY.

The area of the United States was acquired in the following manner and at the cost named:

YEAR.	HOW.	FROM	ACQUISITION.	SQ. MILES.	
1776-'82	By war	England	Thirteen States	820,680	War revenue, $135,193,703
1803	" purchase	France	Louisiana	899,579	$15,000,000
1819	" purchase	Spain	Florida	69,900	$5,000,000
1845	" admission	Mexico	Texas	318,000	Debt assumed, $7,500,000
1846	" treaty	England	Oregon	308,052	Mexican war, $66,000,000
1848	" war	Mexico	Cal. and N. Mexico	522,955	Paid Mexico $15,000,000
1853	" purchase	Mexico	Arizona	45,535	$10,000,000
1867	" purchase	Russia	Alaska	577,390	$7,200,000
				3,562,091	

AUGUST. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS.		SUN.			MOON.				ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA.	
MONTH AND WEEK.		RISES.	SETS.	SLOW.	RISES.	CONSTELLATION.	SOUTHS.			MORN.	EVEN.
		H. M.	H. M.	M.	H. M.	C. D.	H. M.				
1	*Wed*	4 59	7 13	6	0 2	♌ 1	7 4		☌ ☿ ☾; ☌ ♄ ☉	8 12	8 41
2	*Thu*	5 0	7 12	6	0 32	♌ 13	7 50		Venus sets 7 32 A.	9 10	9 39
3	*Fri*	5 1	7 11	6	1 13	♌ 25	8 38		Vega S. 9h. 41m. A.	10 9	10 38
4	*Sat*	5 2	7 10	6	1 57	♍ 7	9 28		Altair S. 10 49 A. ♏	11 7	11 35
		Tenth Sunday after Trinity.							Day's Length: 14h. 6m.		
5	*Sun*	5 3	7 9	6	2 46	♍ 19	10 19		☌ ☿ ☾; ☿ in ♌	— —	0 2
6	*Mon*	5 3	7 7	6	3 42	♎ 2	11 12		☌ ♄ ☾; ☾ in ♌	0 28	0 52
7	*Tue*	5 4	7 6	5	sets	♎ 15	Ev 5		**7.** ☌ ♀ ☾	1 14	1 36
8	*Wed*	5 5	7 5	5	7 52	♎ 29	0 57		Mars sets 10 21 A.	1 59	2 22
9	*Thu*	5 6	7 4	5	8 28	♏ 12	1 48		Fomalhaut S. 1 39 M.	2 45	3 7
10	*Fri*	5 7	7 3	5	9 3	♏ 26	2 39		☿ in Perihelion.	3 29	3 52
11	*Sat*	5 8	7 1	5	9 35	♐ 10	3 29		☌ ☊ ☾	4 14	4 37
		Eleventh Sunday after Trinity.							Day's Length: 13h. 51m.		
12	*Sun*	5 9	7 0	5	10 8	♐ 25	4 19		Jupiter sets 11 5 A.	5 0	5 23
13	*Mon*	5 10	6 59	5	10 42	♑ 9	5 11		☌ ♂ ☾; ☌ ☿ ♄	5 47	6 11
14	*Tue*	5 11	6 58	4	11 21	♑ 23	6 4		**14.** ☌ ♃ ☾	6 36	7 3
15	*Wed*	5 12	6 56	4	morn	♒ 7	7 0		♀ gr. Hel. Lat. N.	7 33	8 7
16	*Thu*	5 13	6 55	4	0 4	♒ 21	7 57		Markab S. 1 19 M.	8 43	9 19
17	*Fri*	5 14	6 53	4	0 54	♓ 5	8 56		Algenib S. 2 28 M. ♋	9 54	10 29
18	*Sat*	5 15	6 52	3	1 50	♓ 19	9 54		Saturn rises 4 8 M.	11 2	11 35
		Twelfth Sunday after Trinity.							Day's Length: 13h. 35m.		
19	*Sun*	5 16	6 51	3	2 51	♈ 3	10 50		☾ in ♉	— —	0 5
20	*Mon*	5 17	6 49	3	3 55	♈ 16	11 43		□ ♃ ☉	0 32	0 55
21	*Tue*	5 18	6 48	3	rises	♉ 0	morn		**21.** ☿ gr. H. L. N.	1 17	1 39
22	*Wed*	5 19	6 46	3	7 39	♉ 13	0 33		Polaris S. 3 13 M.	2 1	2 22
23	*Thu*	5 20	6 45	2	8 9	♉ 26	1 20		☌ ☿ ☉ superior.	2 42	3 3
24	*Fri*	5 21	6 43	2	8 37	♊ 8	2 5		□ ☿ ☉; St. Bartholomew.	3 23	3 42
25	*Sat*	5 22	6 42	2	9 4	♊ 21	2 49		Uranus sets 8 19 A.	4 1	4 20
		Thirteenth Sunday after Trinity.							Day's Length: 13h. 18m.		
26	*Sun*	5 22	6 40	1	9 32	♊ 3	3 32		Achernar S. 3 13 M.	4 40	4 59
27	*Mon*	5 23	6 39	1	10 1	♋ 15	4 14		Vega S. 8h. 6m. A.	5 19	5 38
28	*Tue*	5 24	6 37	1	10 33	♋ 27	4 58		☌ ☿ ☾; ☾ in Apogee.	5 58	6 20
29	*Wed*	5 25	6 36	1	11 9	♌ 8	5 43		**29.** Altair S. 9h. 10m. A.	6 42	7 5
30	*Thu*	5 26	6 34	0	11 50	♌ 20	6 29		Nept. rises 10 16 A.	7 30	7 59
31	*Fri*	5 27	6 33	0	morn	♍ 2	7 18		Fomalh. S. 0 12 M.	8 30	9 2

JEWISH CALENDAR.—5648. August 7, 8, Rosh Hodesh Elool.

MOON'S PHASES.

☽ New Moon	7d.	1h.	21m. A.	☾ Full Moon	21d.	11h.	20m. M.
☽ First Quarter	14d.	11h.	44m. M.	☾ Last Quarter	29d.	9h.	18m. M.

The Temperance Movement.

The Prohibition Party will undoubtedly play a more or less important part in the elections of this year, not alone in the National, but also in State and local elections. The temperance movement in Pennsylvania culminated in the passage of what was known as the Local Option Law, which was in effect not quite two years and was repealed in 1875. Since then temperance agitation has been general and persistent, and in 1886 there was passed by the State Legislature the Brooks High License Bill, which imposes many restrictions upon the granting of licenses; among them, that no manufacturer of malt or other liquors shall be allowed to be surety for the retailer; that at least two of the bondsmen shall be *bona fide* real estate owners to the unincumbered value of $2000 or over; and that the fee shall be: For retailers in cities of the first, second and third class, $500; those resident in all other cities, $300; in boroughs, $150; and in townships, $75. Very strict regulations are also in force regarding the sale of liquors by druggists and wholesalers.

The Republican State Convention of 1886 put a plank in its platform promising to submit a Prohibitory Amendment to the Constitution to be voted upon by the people. Such amendment was framed and passed by the Legislature of 1887. It must be voted upon by the Legislature to be elected this year, and if passed will then be submitted to a vote of the people.

Of the other States, Maine has a prohibitory law passed in 1858. New Hampshire has one in force, passed in 1855. Ohio passed a "Scott" tax law in 1883, which was pronounced unconstitutional by the Supreme Court. Rhode Island passed a strict prohibitory law in 1885. Massachusetts has a modified license law, under which about half the towns in the State have prohibition.

In 1853 the New York Legislature passed a prohibitory law which was vetoed by Governor Seymour. The law was repassed in 1855 and declared unconstitutional in 1856. In 1887 the "Vedder Bill," a high license law, similar in its provisions to the Brooks law in Pennsylvania, was passed by the Legislature and vetoed by Governor Hill. The granting of licenses in New York are in the hands of Excise Commissioners elected by the people in the several cities, villages and townships. Local option is the effect of this arrangement, and in a large number of the towns in the State no licenses are granted.

Connecticut has a local option law; so has Indiana, but it is a dead letter. In 1882 Iowa voted on prohibition and carried it by 29,759 majority. It has now a strong prohibitory law. Illinois has a high license law passed in 1883. Kansas has a constitutional amendment passed 1880. Tennessee and Texas voted on similar amendments in 1886, but defeated them. In Georgia the prohibitory amendment was carried and is now law. Kentucky, Missouri, Arkansas, Louisiana, Texas, Mississippi, Alabama, South Carolina, North Carolina, Virginia, West Virginia, Maryland, and Minnesota have, since 1870, passed local option laws, and most of the States of the Union have adopted laws restricting the sale of spirituous liquors on Sundays and prohibited their sale to minors.

The first independent party action taken by the Prohibitionists was in 1869, when a committee appointed by the sixth National Temperance Convention at Cleveland issued a call for a National Prohibition Convention. It was held in Chicago, September 1, 1869. A central committee was appointed.

The first national nominating convention was held at Columbus, February 22, 1872, and nominated James Black, of Pennsylvania, for President, and Rev. John Russell, of Michigan, for Vice President.

The second national convention at Cleveland, May 17, 1876, nominated Green Clay Smith, of Kentucky, for President, and Gideon T. Stewart, of Ohio, for Vice President.

The third national convention at Cleveland, June 17, 1880, nominated Neal Dow, of Maine, for President, and Rev. H. A. Thompson, of Ohio, for Vice President.

The fourth national convention at Pittsburg, July 23, 1884, nominated John P. St. John, of Kansas, for President, and William Daniel, of Maryland, for Vice President.

The Prohibition Party is now organized in most of the States of the Union. The popular vote of the party for President has been:

In 1872, James Black, of Pennsylvania, 5608; 1876, Green Clay Smith, of Kentucky, 9759; 1880, Neal Dow, of Maine, 11,640; 1884, John P. St. John, of Kansas, 151,070.

In 1882 the Prohibition Party in Pennsylvania polled 5196 votes; in 1884, for Presidential Electors, 15,737; in 1885, for State Treasurer, 15,047; and in 1886, Chas. S. Wolfe, for Governor, 32,422.

STATISTICS OF THE PRESS.

Year.	All Classes.		Dailies.		Weeklies.		All Others.	
	Number.	Circulation.	Number.	Circulation.	Number.	Circulation.	Number.	Circulation.
1850	2,526	5,142,177	254	758,454	1,902	2,944,629	370	1,439,094
1860	4,051	13,663,409	387	1,478,435	3,173	7,581,930	491	4,603,044
1870	5,871	20,842,475	574	2,601,517	4,295	10,594,643	1,002	7,646,285
1880	11,403	31,177,924	980	3,637,424	8,718	19,459,107	1,705	8,081,393

The total number of *newspapers* published in the world at present is estimated at about 37,000, distributed as follows: United States, 13,000; Germany, 5,500; France, 4,092; Great Britain, 4,000; Japan, 2,000; Italy, 1,400; Austria-Hungary, 1,200; Asia, exclusive of Japan, 1,000; Spain, 850; Russia, 800; Australia, 700; Greece, 600; Switzerland, 450; Holland, 300; Belgium, 300; all others, 1,000. Of these nearly half are printed in the English language.

SEPTEMBER. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK.		SUN. RISES. H.	M.	SETS. H.	M.	FAST M.	MOON. RISES. H.	M.	CONSTELLATION. C.	D.	SOUTHS. H.	M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.	EVEN.
1	*Sat*	5	28	6	31	0	0	26	♌	15	8	9	Venus sets 7 7 A. ♏	9 34	10 5
									Fourteenth Sunday after Trinity.				**Day's Length:**	**13h. 1m.**	
2	*Sun*	5	29	6	30	1	1	29	♌	27	9	1	☾ in ♍	10 35	11 5
3	*Mon*	5	30	6	28	1	2	28	♎	10	9	53	☌ ♄ ☾	11 34	— —
4	*Tue*	5	31	6	27	1	3	31	♎	24	10	46	♆ stationary.	0 2	0 28
5	*Wed*	5	32	6	25	2	4	37	♎	8	11	38	**5.** Vega S. 7h. 31m. A.	0 51	1 13
6	*Thu*	5	33	6	24	2	sets		♏	22	Ev	30	☌ ☿ ☾; ☌ ♀ ☾	1 35	1 58
7	*Fri*	5	34	6	22	2	7	36	♐	6	1	22	☌ ☉ ☾	2 21	2 44
8	*Sat*	5	35	6	20	3	8	9	♐	20	2	14	Mars sets 9 15 A.	3 7	3 20
									Fifteenth Sunday after Trinity.				**Day's Length:**	**12h. 43m.**	
9	*Sun*	5	36	6	19	3	8	44	♑	5	3	6	☾ in Perigee.	3 53	4 16
10	*Mon*	5	36	6	17	3	9	21	♑	20	4	0	☌ ♂ ☾; ☌ ♃ ☾	4 41	5 6
11	*Tue*	5	37	6	16	4	10	3	♒	4	4	56	☌ ♂ ♃	5 31	5 56
12	*Wed*	5	38	6	14	4	10	51	♒	18	5	53	**12.** Jupiter sets	6 23	6 52
13	*Thu*	5	39	6	12	4	11	45	♓	2	6	50	☿ in ♍ [9 12 A.	7 23	7 55
14	*Fri*	5	40	6	10	5	morn		♓	16	7	48	Altair S. 8 8 A. ♑	8 31	9 8
15	*Sat*	5	41	6	9	5	0	43	♈	29	8	43	☾ in ♍	9 42	10 14
									Sixteenth Sunday after Trinity.				**Day's Length:**	**12h. 25m.**	
16	*Sun*	5	42	6	7	5	1	44	♈	13	9	36	Saturn rises 2 31 M.	10 45	11 16
17	*Mon*	5	43	6	5	6	2	48	♉	26	10	27	Fomalhaut S. 11 1 A.	11 44	— —
18	*Tue*	5	44	6	3	6	3	53	♉	9	11	14	☌ ☿ ♀	0 10	0 33
19	*Wed*	5	45	6	2	7	4	57	♉	21	morn		☌ ☉ ☿; ☌ ☉ ♀	0 54	1 13
20	*Thu*	5	46	6	0	7	rises		♊	4	0	0	**20.** Markab S.	1 31	1 51
21	*Fri*	5	47	5	59	7	7	5	♊	17	0	44	St. Matthew. [10 57 A.	2 11	2 29
22	*Sat*	5	48	5	57	8	7	32	♊	29	1	26	☉ enters ♎; Autumn begins.	2 47	3 6
									Seventeenth Sunday after Trinity.				**Day's Length:**	**12h. 6m.**	
23	*Sun*	5	49	5	55	8	8	1	♋	11	2	9	☿ in Aphelion.	3 26	3 45
24	*Mon*	5	50	5	54	8	8	31	♋	23	2	53	☌ ♆ ☾	4 5	4 24
25	*Tue*	5	51	5	52	9	9	5	♌	5	3	37	☾ in Apogee.	4 44	5 5
26	*Wed*	5	52	5	51	9	9	43	♌	16	4	23	Uranus sets 6 18 A.	5 27	5 48
27	*Thu*	5	53	5	49	9	10	27	♌	28	5	10	Polaris S. 0h. 52m. M.	6 10	6 32
28	*Fri*	5	54	5	47	10	11	16	♍	10	5	59	**28.** Neptune rises 8h. 21m. A. ♏	6 58	7 25
29	*Sat*	5	55	5	45	10	morn		♍	23	6	50	☾ in ♌; Michaelmas Day.	7 55	8 27
									Eighteenth Sunday after Trinity.				**Day's Length:**	**11h. 48m.**	
30	*Sun*	5	56	5	44	10	0	11	♎	5	7	41	☌ ♄ ☾	8 59	9 31

JEWISH CALENDAR.—5649. September 6, 7, Tishree Rosh Hashanah. 9, Fast of Guedalyah. 15, Kipoor. 20, 21, Sucot, first two days. 26, Hoshaanah Rabah. 27, Sheminee Aseret. 28, Simhat Torah.

MOON'S PHASES.

☽ New Moon	5d.	11h.	56m. A.	○ Full Moon	20d.	0h.	24m. M.
☾ First Quarter	12d.	5h.	0m. A.	☾ Last Quarter	28d.	3h.	30m. M.

The Organized Labor Movement.

The labor movement in this country has come to be of great industrial and political importance, and the history of its rise and present strength is of practical statistical value. The oldest existing trades-union in the United States is the Wool Hat Finishers' Association, which was organized about 1850. The first effort at co-operation in connection with the labor movement originated in Boston in 1845. In that year the New England Workingmen's Association was formed, and in the October following the first Industrial Congress met in New York.

As early as 1803 there was a strike of sailors in this city and in New York. The seafaring men were among the first to organize for mutual benefit, an early association being the Shipwrights and Caulkers of New England. The question of shorter hours and better pay for labor, and the protection of operatives in factories, came to the front as early as 1825; but ten hours for a day's work did not become legal until 1840, when President Van Buren made that time legal in all the Government departments. Ten years later, many political candidates were run on the ten-hour-a-day's-labor platform. The eight-hour agitation came to the front during the civil war. It finally became a law for Government employés under President Johnson in 1866, and the same year the first National Labor Congress met in Baltimore.

The Knights of Labor, an organization that has lately attained so much importance, was organized in Philadelphia in 1869. The labor movement from 1870 to the present time has been a continuous growth in the number of trades-unions and increase in their membership, attended by strikes, lockouts, and settlements by arbitration, the agitation for labor legislation and efforts at political party organization. Congress created a National Bureau of Labor in 1884.

The principal labor organizations in the country, according to date of organization, after the veteran Wool Hat Finishers, are: 1850, International Typographical Union (printers); 1854, National Silk and Hat Finishers' Association; 1859, International Furniture Workers' Union; 1863, Brotherhood of Locomotive Engineers; 1864, Cigar-Makers' International Union; 1865, Journeyman Tailors' National Union; 1865, Bricklayers' and Masons' International Union; 1866, Spinners' Union; 1869, Knights of Labor; 1869, Lasters' Protective Union (last-makers); 1870, Telegraphers' National Union; 1876, Amalgamated Association of Iron and Steel Workers of the United States; 1877, Granite Cutters' National Union; 1880, International Brotherhood of Boilermakers and Iron Shipbuilders' Union; 1881, Brotherhood of Carpenters and Joiners; 1885, Journeymen Bakers' National Union; 1885, National Federation of Miners and Mine Laborers of the United States and Territories. The Knights of Labor are by far the strongest at present of any labor organization in this or any country.

In many States there are laws relating to apprenticeship, providing for the indenture of children during their minority, and protecting their rights and interests. In most cases the consent of the children themselves must be obtained if they are fourteen years of age or over. California, Connecticut (except on farms and where otherwise agreed), Illinois, New Mexico (in the mines), Pennsylvania, and New York (except for farm labor and weekly, monthly or yearly contracts) make eight hours a legal day's work. Fire escapes in factories are required by law in Connecticut, Delaware, Illinois, Maine, Massachusetts, Michigan, New Jersey, Ohio and other States.

Many States guard the interests of mechanics by giving them liens on the structure and on the interest of the owner of the lot on which it stands, for wages. Farm laborers have liens on crops, shipbuilders on vessels, and lumbermen on lumber. Employés on railroads and steamboats, and persons furnishing supplies have liens on the franchise, gross earnings, and real and personal property of the companies operating them, and these liens have the precedence of all other claims.

California, Colorado, Connecticut, Dakota, Georgia, Illinois, Indiana, Iowa, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont and Wisconsin have laws restricting, in one way or another, the hours of labor for women and minors in certain mechanical and trading pursuits. In Connecticut children under fifteen can work in mechanical or manufacturing establishments not more than ten hours a day, or fifty-eight hours a week. Indiana allows no minor under eighteen to work more than ten hours a day in cotton or woolen factories, and children under twelve must not be employed over eight hours per day. In Michigan children under eighteen and women cannot be required to work more than ten hours a day, or sixty hours per week, and one hour must be allowed for dinner. New Hampshire fixes the limit for minors under fifteen to ten hours; New Jersey, for those under sixteen; Ohio, for those under eighteen; Pennsylvania, for those under twenty-one.

The following gives the list of Bureaus of Labor and Labor Statistics in the United States:

Title of Bureau.	Where Located.	When organized	Chief Officer.	Title.
United States Bureau of Labor	Washington, D. C.	1885.	Carroll D. Wright	Commissioner.
Bureau of Statistics of Labor	Boston, Mass.	1869.	Carroll D. Wright	Chief.
Bureau of Industrial Statistics	Harrisburg, Pa.	1872.	Albert S. Bolles	Chief.
Bureau of Labor Statistics	Hartford, Conn.	1885.	Arthur T. Hadley	Commissioner.
Bureau of Labor Statistics	Columbus, Ohio	1877.	L. McHugh	Commissioner.
Bureau of Labor and Industries	Trenton, N. J.	1878.	James Bishop	Chief.
Bureau of Statistics and Inspection	Jefferson City, Mo.	1879.	Oscar Kochtitzky	Commissioner.
Bureau of Labor Statistics	Springfield, Ill.	1879.	John S. Lord	Secretary.
Bureau of Statistics	Indianapolis, Ind.	1879.	Wm. A. Peelle, Jr.	Chief.
Bureau of Labor Statistics	Albany, N. Y.	1883.	Charles F. Peck	Commissioner.
Bureau of Labor Statistics	San Francisco, Cal.	1883.	John S. Enos	Commissioner.
Bureau of Labor and Indus. Statistics	Lansing, Mich.	1883.	C. V. R. Pond	Commissioner.
Bureau of Labor Statistics	Madison, Wis.	1883.	Frank A. Flower	Commissioner.
Bureau of Labor Statistics	Des Moines, Iowa	1884.	E. R. Hutchins	Commissioner.
Bureau of Statistics of Labor	Baltimore, Md.	1884.	Thomas C. Weeks	Chief.
Bureau of Labor and Indus. Statistics	Topeka, Kansas	1885.	Frank H. Betton	Commissioner.

OCTOBER. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK.		SUN. RISES. H.	M.	SETS. H.	M.	FAST M.	MOON. RISES. H.	M.	CONSTELLATION. C.	D.	SOUTHS. H.	M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.		EVEN.	
1	*Mon*	5	57	5	42	11	1	12	♍	18	8	33	Altair S. 7h. 1m. A.	10	3	10	33
2	*Tue*	5	58	5	40	11	2	17	♍	2	9	25	Venus sets 6 32 A.	11	3	11	32
3	*Wed*	5	59	5	38	11	3	24	♎	16	10	17	Fomalh. S. 9 59 A.	—	—	0	0
4	*Thu*	6	0	5	37	12	4	35	♎	0	11	9	Markab S. 10 2 A.	0	25	0	49
5	*Fri*	6	1	5	35	12	sets		♎	15	Ev	1	☽ 5. ☌ ♁ ☾	1	11	1	32
6	*Sat*	6	2	5	34	12	6	40	♎	0	0	55	☌ ☿ ☾; ☌ ☿ ☾	1	56	2	20
													Nineteenth Sunday after Trinity.	**Day's Length:**		**11h. 29m.**	
7	*Sun*	6	3	5	32	12	7	17	♎	15	1	50	☿ gr. elong E. 25° 14′ ☾ in Perigee.	2	44	3	9
8	*Mon*	6	4	5	31	13	7	58	♏	29	2	47	☌ ♃ ☾	3	34	3	59
9	*Tue*	6	5	5	29	13	8	45	♏	14	3	46	☌ ☿ ♀; ☌ ♂ ☾	4	26	4	53
10	*Wed*	6	6	5	28	13	9	38	♏	29	4	45	☌ ♁ ☉	5	19	5	46
11	*Thu*	6	7	5	26	13	10	36	♐	13	5	43	Mars sets 8h. 27m. A. ♃	6	14	6	42
12	*Fri*	6	8	5	25	14	11	37	♐	26	6	40	12. Algenib S. 10 39 A.	7	12	7	43
13	*Sat*	6	9	5	23	14	morn		♑	10	7	33	☿ gr. H. L. N. ☾ in ♍	8	16	8	49
													Twentieth Sunday after Trinity.	**Day's Length:**		**11h. 12m.**	
14	*Sun*	6	10	5	22	14	0	41	♑	23	8	24	Jupiter sets 7 26 A.	9	21	9	52
15	*Mon*	6	11	5	20	14	1	43	♒	6	9	12	Polaris S. 11 37 A.	10	21	10	48
16	*Tue*	6	13	5	19	15	2	46	♒	18	9	57	Achernar S. 11 49 A.	11	14	11	39
17	*Wed*	6	14	5	17	15	3	48	♓	1	10	41	Algol S. 1h. 16m. M.	—	—	0	2
18	*Thu*	6	15	5	16	15	4	48	♓	13	11	23	St. Luke, Evang.	0	24	0	43
19	*Fri*	6	16	5	14	15	5	47	♓	25	morn		19. Saturn rises 0h. 37m. M.	1	1	1	18
20	*Sat*	6	17	5	13	15	rises		♈	7	0	6	☽ ☿ stationary.	1	36	1	55
													Twenty-First Sunday after Trinity.	**Day's Length:**		**10h. 53m.**	
21	*Sun*	6	18	5	11	15	6	30	♈	19	0	49	☌ ♆ ☾	2	15	2	33
22	*Mon*	6	19	5	10	16	7	4	♉	1	1	33	☾ in Apogee.	2	54	3	13
23	*Tue*	6	20	5	9	16	7	41	♉	13	2	18	Aldebaran S. 2 21 M.	3	33	3	53
24	*Wed*	6	21	5	7	16	8	22	♉	25	3	5	Uranus rises 5 19 M.	4	15	4	37
25	*Thu*	6	22	5	6	16	9	8	♊	7	3	53	Capella S. 2 52 M. ♋	5	0	5	22
26	*Fri*	6	23	5	4	16	10	0	♊	19	4	42	☾ in ♌	5	44	6	7
27	*Sat*	6	24	5	3	16	10	56	♊	1	5	32	27. Rigel S. 2 45 M.	6	31	6	56
													Twenty-Second Sunday after Trinity.	**Day's Length:**		**10h. 37m.**	
28	*Sun*	6	25	5	2	16	11	57	♊	13	6	23	☌ ♄ ☾ St. Simon and St. Jude.	7	23	7	53
29	*Mon*	6	26	5	1	16	morn		♋	26	7	13	Nept. rises 6 17 A.	8	24	8	56
30	*Tue*	6	28	4	59	16	1	2	♋	10	8	4	Canopus S. 3 45 M.	9	28	9	58
31	*Wed*	6	29	4	58	16	2	10	♌	24	8	54	☌ ☿ ☉ inf. Halloween.	10	27	10	56

JEWISH CALENDAR.—5649. October 5, 6, Rosh Hodesh Heshvan.

MOON'S PHASES.

☽ New Moon	5d.	9h.	34m. M.	☺ Full Moon	19d.	4h.	9m. A.
☽ First Quarter	12d.	0h.	29m. M.	☾ Last Quarter	27d.	8h.	56m. A.

PENNSYLVANIA MARRIAGE LAW.

There is really nothing objectionable, harsh, or impertinent about the Pennsylvania marriage law, and nothing in its provisions to render necessary or excusable the migration to another State to enter the bans of wedlock. The law provides that no persons shall be joined in marriage until a license shall have been obtained for that purpose from the Clerk of the Orphans' Court in the county where the marriage is performed, and for which license the Clerk is allowed to charge 50 cents. The license shall have appended to it two certificates, which shall be filled out by the person solemnizing the marriage. One is to be given to the persons married, and the other must be returned to the Clerk of the Orphans' Court by the minister, justice, or alderman within thirty days, under a penalty of $50. The Clerk of the Orphans' Court must then enter the same upon his docket. The Clerk is obliged to inquire of the party applying for a license an oath or affirmation relative to the legality of the contemplated marriage. If there be no legal impediment, then he shall grant the license. If the person making application is under twenty-one years of age, the consent of the parent or guardian shall be personally given before the Clerk, or certified under the hand of the parent or guardian, attested by two adult witnesses. If any minister, justice, or other officer or person shall solemnize the marriage ceremony, or shall be attesting witnesses to the same within this Commonwealth, without the proper license having been obtained, they will be liable to a penalty of $100. Any judge, justice, or clergyman who performs the marriage ceremony between parties when either of the latter is intoxicated may be deemed guilty of misdemeanor, and upon conviction thereof shall pay a fine of $50 and be imprisoned, at the discretion of the Court, not exceeding sixty days. The following marriages are prohibited by law:

1. Between parties who have not arrived at the age of consent (fourteen years in males and twelve in females).

2. Where there is anything that prevents t making of a legal contract, namely: want of si ficient understanding, as in the case of idio lunatics, or persons intoxicated, or where conse has been obtained by fraud or threats.

3. Where one or both of the parties have be already married, and—(*a*) have living, undivorce a husband or wife; (*b*) have living, divorced fro bed and board only, a husband or wife; or (*c*) ha living, divorced absolutely, a husband or wi but the divorce was granted on the ground adultery, and the party now seeking to be join in marriage with such divorced person is the o with whom the adultery was committed.

4. Marriages within the following degrees consanguinity: A man may not marry h mother, his father's sister, his mother's sister, h sister, his daughter, nor the daughter of his son daughter. A woman may not marry her father, h father's brother, her mother's brother, her brothe her son, nor the son of her son or daughter.

5. Marriages within the following degrees affinity: A man may not marry his father's wi his son's wife, his son's daughter, his wife's daug ter, nor the daughter of his wife's son or daughte A woman may not marry her mother's husban her daughter's husband, her husband's son, n the son of her husband's son or daughter.

ONE TON OF COAL.

From one ton of ordinary gas-coal may be pr duced 1500 pounds of coke, 20 gallons of ammon water, and 140 pounds of coal-tar. By destructi distillation the coal-tar will yield 69.6 pounds pitch, 17 pounds of creosote, 14 pounds heavy oi 9.5 pounds of naphtha yellow, 6.3 pounds nap thaline, 4.75 pounds naphthol, 2.25 pounds alaz rin, 2.4 pounds solvent naphtha, 1.5 pounds pb nol, 1.2 pounds aurine, 1.1 pounds benzine, pounds aniline, 0.77 of a pound toluidine, 0.46 of pound anthracine, and 0.9 of a pound toluen From the latter is obtained the new substan known as saccharine, which is 230 times as swe as the best cane sugar.

PRESIDENTS OF THE UNITED STATES.

	Name.	Native State.	Ancestry.	Year of Birth.	Residence.	Inaugur'd Year.	Inaugur'd Age.	Years Served.	Politics.	Place of Death.	
1	George Washington	Va	English	1732	Va	1789	57	8	Federalist	Mount Vernon, 1799	6
2	John Adams	Mass	English	1735	Mass	1797	62	4	Federalist	Quincy, Mass., 1826	9
3	Thomas Jefferson	Va	Welsh	1743	Va	1804	58	8	Republican*	Monticello, Va., 1826	8
4	James Madison	Va	English	1751	Va	1809	58	8	Republican	Montpelier, Va., 1836	8
5	James Monroe	Va	Scotch	1758	Va	1817	59	8	Republican	New York City, 1831	7
6	John Quincy Adams	Mass	English	1767	Mass.	1825	58	4	Republican†	Washington, 1848	8
7	Andrew Jackson	S. C.	Scot.-Irish	1767	Tenn.	1829	62	8	Democrat	Hermitage, Tenn., 1845	7
8	Martin VanBuren	N. Y.	Dutch	1782	N. Y.	1837	55	4	Democrat	Kinderhook, N. Y., 1862	8
9	William H. Harrison	Va	English	1773	Ohio	1841	58	1 mo.	Whig	Washington, 1841	0
10	John Tyler	Va	English	1790	Va	1841	51	4	Democrat	Richmond, Va., 1862	7
11	James K. Polk	N. C.	Scot.-Irish	1795	Tenn.	1845	50	4	Democrat	Nashville, Tenn., 1849	5
12	Zachary Taylor	Va	English	1784	La.	1849	55	1	Whig	Washington, 1850	0
13	Millard Fillmore	N. Y.	English	1800	N. Y.	1850	50	3	Whig	Buffalo, N. Y., 1874	7
14	Franklin Pierce	N. H.	English	1804	N. H.	1853	49	4	Democrat	Concord, N. H., 1869	6
15	James Buchanan	Penna	Scot.-Irish	1791	Penna	1857	66	4	Democrat	Wheatland, Pa., 1868	7
16	Abraham Lincoln	Ky	English	1809	Ill	1861	52	4	Republican	Washington, 1865	5
17	Andrew Johnson	N. C.	English	1808	Tenn.	1865	57	4	Republican	Greenville, Tenn., 1875	6
18	Ulysses S. Grant	Ohio	Scotch	1822	Ill	1869	47	8	Republican	Mt. McGregor, N.Y., 1885	6
19	Rutherford B. Hayes	Ohio	English	1822	Ohio	1877	55	4	Republican		
20	James A. Garfield	Ohio	English	1831	Ohio	1881	49	6½ mo.	Republican	Long Branch, N. J., 1881	5
21	Chester A. Arthur	Vt	Scot.-Irish	1830	N. Y.	1881	51	3y. 5½mo.	Republican	New York City, 1886	5
22	Grover Cleveland	N. J.	English	1837	N. Y.	1885	48		Democrat		

* The Democratic party of to-day claims lineal descent from the first Republican party, and President Jefferson as i fonnder. † Political parties were disorganized at the time of the election of John Quincy Adams. He claimed to be Republican, but was mainly supported by old Federalists. The opposition to his administration, composed mostly Republicans, took the name of Democrats, and elected Jackson President.

NOVEMBER. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS.		SUN.			MOON.			ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA.	
MONTH AND WEEK.		RISES.	SETS.	FAST	RISES.	CONSTELLATION.	SOUTHS.		MORN.	EVEN.
		H. M.	H. M.	M.	H. M.	C. D.	H. M.			
1	*Thu*	6 30	4 57	16	3 20	♍ 8	9 45	☌ ☉ ☾; All Saints Day.	11 25	11 54
2	*Fri*	6 31	4 56	16	4 32	♍ 23	10 38	☿ in ♍	— —	0 21
3	*Sat*	6 32	4 55	16	5 46	♎ 8	10 33	**3.** ☌ ☿ ☾	0 45	1 9
Twenty-Third Sunday after Trinity.								**Day's Length:**	**10h. 19m.**	
4	*Sun*	6 34	4 53	16	sets	♎ 23	Ev 30	☾ in Perigee.	1 33	1 58
5	*Mon*	6 35	4 52	16	6 35	♏ 8	1 30	☌ ☊; ☌ ☿ ☾	2 24	2 51
6	*Tue*	6 36	4 51	16	7 26	♎ 23	2 32	☿ in Perihelion.	3 18	3 46
7	*Wed*	6 37	4 50	16	8 24	♏ 8	3 33	☌ ♂ ☾ ☋	4 14	4 41
8	*Thu*	6 38	4 49	16	9 27	♐ 22	4 32	☿ stationary.	5 8	5 35
9	*Fri*	6 40	4 49	16	10 32	♑ 6	5 29	♂ gr. H. L. S. ☾ in ♍	6 2	6 28
10	*Sat*	6 41	4 48	16	11 37	♑ 19	6 21	**10.** Venus sets 6h. 26m. A.	6 54	7 21
Twenty-Fourth Sunday after Trinity.								**Day's Length:**	**10h. 5m.**	
11	*Sun*	6 42	4 47	16	morn	♒ 2	7 10	□ ♄ ☉	7 50	8 20
12	*Mon*	6 43	4 46	16	0 41	♒ 15	7 56	Mars sets 8h. 9m. A.	8 49	9 18
13	*Tue*	6 44	4 45	15	1 42	♓ 28	8 40	♀ in Aphelion.	9 45	10 11
14	*Wed*	6 46	4 44	15	2 42	♈ 10	9 23	Algenib S. 8 29 A.	10 36	11 1
15	*Thu*	6 47	4 43	15	3 40	♈ 22	10 5	Jupiter sets 5 42 A.	11 24	11 47
16	*Fri*	6 48	4 42	15	4 38	♉ 4	10 47	☿ gr. Hel. Lat. N.	— —	0 8
17	*Sat*	6 49	4 41	15	5 36	♉ 16	11 30	☿ gr. elg. W. 19° 34′	0 29	0 48
Twenty-Fifth Sunday after Trinity.								**Day's Length:**	**9h. 51m.**	
18	*Sun*	6 50	4 41	15	rises	♉ 28	morn	**18.** ☌ Ψ ☾	1 5	1 26
19	*Mon*	6 51	4 40	14	5 40	♊ 10	0 15	Polaris S. 9 20 A.	1 45	2 6
20	*Tue*	6 52	4 40	14	6 20	♊ 22	1 2	Saturn rises 10 35 A.	2 27	2 48
21	*Wed*	6 53	4 39	14	7 4	♋ 4	1 49	Achernar S. 9 27 A.	3 8	3 29
22	*Thu*	6 54	4 38	14	7 53	♋ 16	2 38	♂ Ψ ☉ ♏	3 51	4 13
23	*Fri*	6 55	4 38	13	8 48	♌ 28	3 28	☾ in ♌	4 36	4 59
24	*Sat*	6 57	4 37	13	9 46	♌ 10	4 18	☌ ♄ ☾	5 22	5 44
Twenty-Sixth Sunday after Trinity.								**Day's Length:**	**9h. 39m.**	
25	*Sun*	6 58	4 37	13	10 48	♍ 22	5 7	Uranus rises 3h. 23m. M.	6 7	6 30
26	*Mon*	6 59	4 36	12	11 52	♎ 5	5 56	**26.** Algol S. 10 35 A.	6 55	7 21
27	*Tue*	7 0	4 36	12	morn	♎ 18	6 44	Aldeb. S. 11 59 A.	7 48	8 18
28	*Wed*	7 1	4 36	12	0 59	♏ 2	7 33	Nept. sets 6 31 M.	8 49	9 20
29	*Thu*	7 2	4 35	11	2 7	♏ 16	8 23	☌ ☉ ☾	9 51	10 22
30	*Fri*	7 3	4 35	11	3 18	♐ 1	9 15	♄ stat. St. Andrew.	10 52	11 22

JEWISH CALENDAR.—5649. November 4, 5, Rosh Hodesh Kisley. 29, Hanucah, first day.

MOON'S PHASES.

☽ New Moon	3d.	7h.	2m. A.	☾ Full Moon	18d.	10h.	16m. M.
☽ First Quarter	10d.	11h.	16m. M.	☾ Last Quarter	26d.	0h.	20m. A.

THE DRINKS OF ALL NATIONS.

The following table exhibits the beverages of all nations:

Countries.	Millions of Dollars.			Alcohol. Gallons per inhabitant.
	Wine.	Beer.	Spirits.	
Great Britain	15	1007	37	1.92
France	760	190	76	2.65
Germany	120	880	60	1.60
Russia	30	63	145	1.05
Austria	300	245	30	1.45
Italy	480	20	10	1.76
Spain	220	2	3	1.48
Portugal	60	1	1	1.55
Holland	3	35	12	2.05
Denmark	1	25	8	2.60
Belgium	4	170	10	2.07
Norway & Sweden	2	35	27	2.27
British Colonies	108	81	20	1.80
United States	30	440	76	1.31
Total	2133	3194	473	1.70

Lager beer is popularly known as a German beverage, but in three countries of the world there is more beer drank per capita than in Germany. The number of gallons drank annually per person is: United States, 33; Belgium, 32; Great Britain, 22; Germany, 12; Denmark, 10½; Holland, 9; Austria, 7½; France, 4¾; and Russia, 0¾. Belgium is the greatest brewing country in the world, producing annually 1,050,000,000 gallons; Great Britain, 900,000,000; Denmark, 513,192,120; Germany, 30,000,000, and the United States, 18,000,000.

THE ANGLO-SAXON INCREASE.

During the nineteenth century the population of the civilized nations of mankind has more than doubled. In the United States the population in 1801 was estimated at 5,000,000; in 1880 it was 50,150,000. The population of Great Britain and Colonies in 1801 was 17,000,000, while in 1880 it was 43,000,000. Taking the population of the United States and Great Britain together, it is found that it has increased from 22,000,000 to 93,000,000, an average increase of more than 300 per cent, while the European Continent rose only 63 per cent. As a result of the spread of the Anglo-Saxon race, it is found that English in the present age is assuming the place that Latin held in the days of the Cæsars. In 1801 English was spoken by one-eighth of the civilized world; to-day it is the language of one-fourth. The increase of the other languages has been comparatively very small.

OUR CITY BUILDINGS.

The Public Buildings of Philadelphia form one of the largest structures ever erected by man. These are the dimensions:

From north to south..... 486 ft. 6 in.
From east to west..... 470 ft.
Area..... 4¼ acres.
Height of main tower..... 537 ft. 4 in.
Width at base..... 90 ft.
Centre of clock face.....361 ft. above pavement.
Diameter of clock face..... 20 ft.
Height of upper balcony..... 236 ft.
Total number of rooms in building..... 520.
Total amount of floor-room is..... 14½ acres.
Height of Penn Statue..... 36 ft.

The earliest movements relating to the present undertaking consisted in the passage of an ordinance by the City Councils, approved December 31, 1868, providing for the erection of the municipal building on Independence Square, and designating Commissioners to carry the same into effect.

GREAT PARKS OF THE WORLD.

Versailles, the most magnificent of palaces, has surrounding it the largest park in the world. It is fifty miles in circumference. The two cost $200,000,000. Palace and park are twelve miles out from Paris, and are now unoccupied, save as show places. The next greatest park in the world is that surrounding the Queen of England's palace at Windsor. It comprises 3800 acres. The third in extent is Fairmount Park, Philadelphia, with 2740 acres. Other great parks are, in size, in the order named: Water Park, Vienna, 2300 acres; Bois de Bologne, Paris, 2100; Phœnix Park, Dublin, 1760; Royal, Munich, 1375; Forest, St. Louis, 1350; South Chicago, 1055; Golden Gate, San Francisco, 1043; and Central Park, New York, 862. Lincoln Park, Chicago, has 230 acres; Druid Hill, Baltimore, 680; Hyde Park, London, 400; Eden, Cincinnati, 216; Shaw's Garden, St. Louis, 109, and Boston Common, 50. The Yellowstone National Park has an area of 3575 square miles.

THE GREAT LIBRARIES.

The largest library in the world is the Bibliotheque National, in Paris, which contains 2,000,000 volumes, and is wonderfully rich in manuscripts. The next largest is that of the British Museum, with 1,500,000 volumes, and the third is the Imperial in St. Petersburg, with 1,100,000 volumes. Other great libraries are: Royal, Berlin, 700,000; Royal, Dresden, and Royal, Copenhagen, 500,000 each; Royal, Munich, 450,000; Imperial, Vienna, 400,000; Congressional, Washington, 380,000, and University, Leipsic, 360,000. The Boston public library is the next largest in America after the Congressional, having, including branches, 355,000 volumes. The Yale library has 190,000; the Astor, New York, 180,000; the Mercantile, in Philadelphia, 135,000; the Philadelphia Library, 105,000, and the National, of Mexico, 100,000. The famous Bodleian library, at Oxford University, England, has 330,000 volumes.

PORTRAITS ON MONEY.

$1, Washington; $2, Jefferson; $5, Jackson; $10, Webster; $20, Hamilton; $50, Franklin; $100, Lincoln; $500, Gen. Mansfield; $1000, De Witt Clinton; $5000, Madison; $10,000, Jackson. On silver certificates—$10, Robert Morris; $20, Commodore Decatur; $50, Edward Everett; $100, James Monroe; $500, Charles Sumner, and $1000, W. L. Marcy. On gold notes—$20, Garfield; $50, Silas Wright; $100, Thomas H. Benton; $500, A. Lincoln; $1000, Alexander Hamilton; $5000, James Madison; $10,000, Andrew Jackson.

THE COTTON CROP.

As agricultural king, Cotton has given place to Corn, but it is still worth $300,000,000 a year, and therefore a tremendous financial factor. During the years of the war no record was kept of the small amounts of cotton raised in the South, but since then the number of bales have been per annum:

Year.	Bales.	Year.	Bales.
1866	2,193,987	1877	4,485,423
1867	2,019,774	1878	4,811,265
1868	2,593,993	1879	5,073,531
1869	2,439,039	1880	5,757,397
1870	3,151,946	1881	6,589,329
1871	4,352,317	1882	5,435,845
1872	2,974,351	1883	6,992,234
1873	3,930,508	1884	5,714,052
1874	4,170,388	1885	5,669,021
1875	3,832,991	1886	6,505,215
1876	4,669,288	1887	6,550,871

The net weight of a bale of cotton is 440 pounds.

DECEMBER. 1888.

CALCULATED FOR LATITUDE 40° NORTH, AND ADAPTED TO THE STATES OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, KENTUCKY, OHIO, INDIANA, ILLINOIS, MISSOURI.

DAYS. MONTH AND WEEK.		SUN. RISES. H. M.	SUN. SETS. H. M.	SUN. FAST M.	MOON. RISES. H. M.	MOON. CONSTELLATION. D.	MOON. SOUTHS. H. M.	ASPECTS OF PLANETS, &c.	HIGH TIDE PHILADELPHIA. MORN.	HIGH TIDE PHILADELPHIA. EVEN.
1	*Sat*	7 4	4 35	10	4 33	♑ 16	10 10	☌ ☿ ☾	11 52	— —
First Sunday in Advent.								**Day's Length:**	**9h. 30m.**	
2	*Sun*	7 5	4 35	10	5 48	♑ 1	11 9	☌ ♃ ☾; ☾ in Perigee.	0 21	0 49
3	*Mon*	7 6	4 45	10	sets	♑ 16	Ev 10	**3.** ☌ in Perih.	1 15	1 40
4	*Tue*	7 7	4 34	9	6 5	♒ 2	1 13	Venus sets 7 3 A.	2 7	2 36
5	*Wed*	7 8	4 34	9	7 8	♒ 17	2 16	☌ ♀ ☾; ♀ gr. H.L.S. ☋	3 5	3 32
6	*Thu*	7 9	4 34	8	8 15	♓ 1	3 17	☌ ♂ ☾; ☾ in ♍	3 59	4 26
7	*Fri*	7 10	4 34	8	9 23	♓ 15	4 13	Algenib S. 6 59 A.	4 52	5 18
8	*Sat*	7 11	4 34	8	10 29	♓ 29	5 5	☌ ♃ ☉	5 42	6 5
Second Sunday in Advent.								**Day's Length:**	**9h. 23m.**	
9	*Sun*	7 11	4 34	7	11 33	♈ 12	5 53	Mars sets 8 7 A.	6 28	6 52
10	*Mon*	7 12	4 34	7	morn	♈ 24	6 38	**10.** ☿ in ♍	7 16	7 41
11	*Tue*	7 13	4 34	6	0 34	♉ 7	7 22	Polaris S. 7 53 A.	8 8	8 35
12	*Wed*	7 14	4 34	6	1 34	♉ 19	8 4	Achernar S. 8 5 A.	9 2	9 28
13	*Thu*	7 15	4 35	5	2 31	♊ 1	8 46	Algol S. 9h. 28m. A.	9 53	10 18
14	*Fri*	7 15	4 35	5	3 29	♊ 13	9 29	Jupiter rises 6 58 M.	10 43	11 8
15	*Sat*	7 16	4 36	4	4 27	♊ 25	10 13	☌ Ψ ☾	11 32	11 55
Third Sunday in Advent.								**Day's Length:**	**9h. 19m.**	
16	*Sun*	7 17	4 36	4	5 25	♋ 7	10 58	☌ ☿ ♃; ☾ in Apogee.	— —	0 17
17	*Mon*	7 17	4 36	3	6 22	♋ 19	11 46	Aldebaran S. 10 41 A.	0 39	1 0
18	*Tue*	7 18	4 37	3	rises	♌ 1	morn	**18.** Saturn rises 8h. 43m. A.	1 20	1 41
19	*Wed*	7 18	4 37	2	5 48	♌ 13	0 35	Capella S. 11 12 A.	2 3	2 25
20	*Thu*	7 19	4 38	2	6 42	♌ 25	1 25	☿ in Aphelion. ☾ in ♋	2 47	3 9
21	*Fri*	7 19	4 38	1	7 40	♍ 7	2 15	☉ enters ♑; Winter begins. St. Thomas.	3 31	3 53
22	*Sat*	7 19	4 39	1	8 41	♍ 19	3 4	☌ ♄ ☾	4 15	4 38
Fourth Sunday in Advent.								**Day's Length:**	**9h. 19m.**	
23	*Sun*	7 20	4 39	0	9 44	♎ 2	3 53	Uranus rises 1 38 M.	5 0	5 21
24	*Mon*	7 20	4 40	slow	10 48	♎ 15	4 41	Rigel S. 10 53 A.	5 43	6 5
25	*Tue*	7 21	4 40	1	11 53	♎ 28	5 28	Christmas.	6 27	6 51
26	*Wed*	7 21	4 41	1	morn	♏ 12	6 16	**26.** ☌ ♂ ☾	7 16	7 44
27	*Thu*	7 21	4 42	2	1 0	♏ 26	7 5	St. John, Evang.	8 13	8 45
28	*Fri*	7 22	4 42	2	2 11	♐ 10	7 56	☌ ☿ ☉ sup. Innocents.	9 18	9 50
29	*Sat*	7 22	4 43	3	3 23	♐ 25	8 51	Nept. sets 4 25 M.	10 23	10 57
First Sunday after Christmas.								**Day's Length:**	**9h. 20m.**	
30	*Sun*	7 23	4 43	3	4 37	♑ 10	9 49	☌ ♃ ☾	11 30	— —
31	*Mon*	7 23	4 44	4	5 49	♑ 25	10 50	☉ in Perigee. ☾ in Perigee.	0 2	0 32

JEWISH CALENDAR.—5649. December 4, 5, Rosh Hodesh Tebet. 4, Barech Alenu. 14, Fast of Tebet.

MOON'S PHASES.

New Moon	3d.	5h.	5m. M.	Full Moon	18d.	5h.	41m. M.
First Quarter	10d.	1h.	46m. M.	Last Quarter	26d.	1h.	0m. M.

THE GREAT CANALS.

The average cost of making canals per mile has been $48,000 in Great Britain; $50,000 in France; $49,000 in the United States, and $77,000 in Canada. The Imperial Canal in China is the longest in the world and connects 41 cities situated on its banks. The next in size is the Vishney in Russia, which includes a part of the river Volga. The Amsterdam Canal in Holland cost $10,000,000 and is 14 miles long. The Chesapeake and Ohio is 341 miles long, and cost the same sum. The Erie Canal is 444 miles long and cost $46,000,000. The Pennsylvania Canal, with the construction of which General Simon Cameron was identified, cost $7,731,750.

The Suez Canal was opened in 1869. It is 26 feet deep and was 13 years in construction. The tolls average $1300 per vessel. The saving to commerce, after deducting fees, is estimated at $10,000,000 annually. It takes 40 hours to make the passage through it. The British Government owns one-fifth of the shares, having bought them from the Khedive of Egypt in 1876. The estimated cost of the Panama Canal is $132,475,000. Its length is to be 46 miles, including a tunnel of 4 miles, which will be 100 feet wide and 160 feet high. When completed, if it ever is, it will save 10,000 miles in distance between Europe and Pacific ports.

THE STATUE OF LIBERTY.

The great Statue of Liberty in New York harbor, which was presented by the people of France, weighs 450,000 pounds, or 225 tons. The bronze alone weighs 200,000 pounds. Forty persons can stand comfortably in the head, and the torch will hold twelve people. The total number of steps in the winding stairway which leads from the base of the foundation to the top of the torch is 403. From the ground to the top of the pedestal the are 195 steps. The number of steps in the statu from the pedestal to the head, is 154, and the la der leading up through the extended right arm the torch has 54 rounds. The electric light in th inside of the torch lamp aggregates 50,000 cand power, and at the base of the statue 30,000 cand power, being 80,000 candle power in all. The enti cost of the work from beginning to end is est mated at $700,000.

Following are the dimensions of the great wor

Height from base to torch	151
Foundation of pedestal to torch	305
Heel to top of head	111
Length of hand	16
Index finger	8
Circumference at second joint	7
Size of finger-nail	13 x 10 in.
Head from chin to cranium	17
Head thickness from ear to ear	10
Distance across the eye	2
Length of nose	4
Right arm, length	42
Right arm, greatest thickness	12
Thickness of waist	35
Width of mouth	3
Tablet, length	23
Tablet, width	13
Tablet, thickness	2

Dimensions of the pedestal:

Height of pedestal	89
Square sides at base, each	62
Square sides at top, each	40
Grecian columns above base	72

Dimensions of the foundations:

Height of foundation	65
Square sides at bottom	91
Square sides at top	66

LARGEST CITIES OF THE EARTH.

POPULATION ACCORDING TO THE LATEST CENSUSES.

London, England	3,832,441	Milan, Italy	321,839	Stockholm, Sweden	176,74
Paris, France	2,269,023	Leeds, England	309,126	Benares, India	175,18
Canton, China (est.)	1,500,000	Rome, Italy	300,467	Antwerp, Belgium	169,11
New York, United States	1,206,577	Hamburg, Germany	289,859	Florence, Italy	169,0(
Berlin, Prussia	1,122,330	Lucknow, India	284,779	Riga, Russia	168,84
Vienna, Austria	1,103,857	Sheffield, England	284,178	Alexandria, Egypt	165,75
Tientsing, China (est.)	950,000	Turkey, India	281,105	Prague, Bohemia	162,35
St. Petersburg, Russia	927,467	Breslau, Prussia	279,212	Delhi, India	160,5(
Philadelphia, U. S.	847,170	Shanghai, China	278,000	Cleveland, United States	160,14
Moscow, Russia	748,000	Rio de Janeiro, Brazil	274,972	Manila, East Indies	160,0(
Calcutta, India	683,329	Copenhagen, Denmark	273,727	Milwaukee, United States	158,5(
Bombay, India	644,405	Cincinnati, United States	255,809	Rotterdam, Holland	157,27
Constantinople, T'y (est.)	600,060	Turin, Italy	252,832	Pittsburg, United States	156,38
Bangkok, India (est.)	600,000	Melbourne, Australia	252,000	Buffalo, United States	155,13
Foochow, China (est.)	600,000	Dublin, Ireland	249,486	Jersey City, United States	153,51
Tokio, Japan	594,283	Barcelona, Spain	249,106	Newark, United States	152,98
Brooklyn, United States	566,689	Lisbon, Portugal	246,343	Damascus, Turkey (est.)	150,00
Glasgow, Scotland	555,289	Palermo, Italy	244,991	Smyrna, Turkey (est.)	150,00
Liverpool, England	552,423	Mexico, Mexico	236,500	Leipzig, Saxony	149,08
Chicago, United States	503,185	San Francisco, U. S	233,959	Washington, U. S	147,29
Peking, China (est.)	500,000	Munich, Bavaria	230,023	Newcastle-on-Tyne, Eng	145,22
Naples, Italy	494,314	Kioto, Japan	229,810	Trieste, Austria	144,84
Nangkin, China (est.)	450,000	Edinburgh, Scotland	228,075	Cologne, Prussia	144,77
Birmingham, England	400,757	Bordeaux, France	221,305	Valencia, Spain	143,80
Madrid, Spain	397,690	Bucharest, Roumania	221,000	Montreal, Canada	140,74
Madras, India	397,552	Dresden, Saxony	220,818	Dundee, Scotland	140,46
Manchester, England	393,676	New Orleans, U. S	216,690	Frankfort, Germany	136,81
Boston, United States	390,400	Belfast, Ireland	207,871	Seville, Spain	133,93
Warsaw, Poland	383,973	Bristol, England	206,503	Detroit, United States	133,26
Brussels, Belgium	377,084	Teheran, Persia (est.)	200,000	Venice, Italy	132,82
Lyons, France	376,613	Odessa, Russia	193,518	Santiago, Chili	129,80
Buda-Pesth, Hungary	365,051	Sydney, Australia	187,381	Minneapolis, U. S	129,20
Marseilles, France	360,099	Nottingham, England	186,656	Portsmouth, England	127,95
St. Louis, United States	350,518	Bradford, England	183,032	Messina, Italy	126,49
Baltimore, United States	332,313	Genoa, Italy	179,515	Providence, U. S	118,07
Amsterdam, Holland	328,047	Lille, France	178,144	St. Paul, United States	111,39
Cairo, Egypt	327,462	Buenos Ayres, Arg. Rep	177,787		

ANTIDOTES FOR POISONS.

ARSENIC.—Hydrated peroxide of iron. It can made fresh by adding tincture of iron to water ammonia. Use freely.

SUGAR OF LEAD.—Epsom salts in water.

GREEN AND WHITE VITRIOL.—Baking soda in ater.

NITRATE OF SILVER.—Common table salt.

OXALIC ACID.—Lime water, used freely.

IODINE.—Common starch.

SULPHURIC, NITRIC, HYDROCHLORIC ACIDS.—aking soda in water.

CORROSIVE SUBLIMATE.—White of eggs, or heat flour mixed with water.

CREOSOTE.—White of eggs, milk, or wheat flour id water.

CARBOLIC ACID.—Olive or castor oil.

SNAKE BITES.—Spirits of ammonia on the ound, and large doses of whisky.

OUR GENERALS.

	From.	To.
eorge Washington	1775	1783
enry Knox	1783	1784
siah Harmer	1788	1791
rthur St. Clair	1791	1796
mes Wilkinson	1796	1798
eorge Washington	1799	1799
mes Wilkinson	1800	1812
enry Dearborn	1812	1815
cob Brown	1815	1828
lexander Macomb	1828	1841
infield Scott	1841	1861
eorge B. McClellan	1861	1862
enry W. Halleck	1862	1864
lysses S. Grant	1864	1869
illiam T. Sherman	1869	1883
hilip H. Sheridan	1883	.....

CURIOUS FACTS.

The river Rhine carries to the sea every day 5,980 cubic feet of sand or stone.

A queen bee will lay 2000 eggs daily for 50 days, nd the eggs are hatched in three days.

A swarm of bees contains from 10,000 to 20,000 in natural state; in a hive, from 30,000 to 40,000 bees.

A single female house-fly produces in one season ,080,320. A wasp's nest usually contains 15,000 or ,000 cells.

No less than 2900 silk-worms are required to roduce one pound of silk; but it takes 27,000 piders to produce one pound of web.

Every pound of cochineal contains 70,000 insects illed to death, and from 600,000 to 700,000 pounds re annually brought to Europe for scarlet and inson dyes.

There is scarcely a boy or a man in this country at carries a lead pencil in his vest pocket. It is stimated that 250,000 pencils are purchased each ay, or 78,000,000 per year.

Spiders have four paps for spinning their threads, ach pap having 1000 holes, and the fine web itself the union of 4000 threads. No spider spins nore than four webs, and when the fourth is estroyed they seize on the webs of others.

It has been ascertained by a series of experiments that rye and winter wheat germinate at 32 egrees; barley, oats, flax, clover, and the pea, at 35 egrees; Indian corn at 48 degrees, turnips at 32 egrees, carrots at 38 degrees, and beans at 40 degrees. By adding 12 degrees to each of these the best ormal temperature of germination is obtained.

AGES OF ANIMALS.

The average age of cats is 15 years; of squirrels and hares, 7 or 8 years; a bear rarely exceeds 25 years; a dog lives 20 years; a wolf 20; a fox 14 or 15; lions are long-lived, the one known by the name of Pompey living to the age of 70. Elephants have been known to live to the age of 400 years. When Alexander the Great had conquered Porus, King of India, he took a great elephant which had fought valiantly for the king, and named him Ajax, dedicated him to the sun, and let him go with this inscription: "Alexander, the son of Jupiter, dedicated Ajax to the sun." The elephant was found with this inscription 350 years after. Pigs have been known to live to the age of 20, and the rhinoceros to 29; a horse has been known to live to the age of 62, but the average age is 25 or 30; camels sometimes live to the age of 100; stags are very long-lived; sheep seldom exceed the age of 10; cows live about 15 years. Cuvier considers it probable that whales sometimes live 1000 years. The dolphin and porpoise attain the age of 30; an eagle died at Vienna at the age of 104; ravens have frequently reached the age of 100; swans have lived to the age of 300. Pelicans are long-lived. A tortoise has been known to live to the age of 107 years.

ENGLISH NOBILITY.

The relative degrees of rank in the English nobility, and the position of the members of noble families and of commoners who bear titles, is often confusing. The various ranks, beginning with the lowest, are baron, viscount, earl, marquess and duke. Every peer is a baron, and every baron is a peer. The title baron is a generic one for noblemen of all ranks. It is never used, however, in addressing a peer. The term "lord" is applied to all peers below the rank of duke. Viscount is next higher in the scale. Yet he retains the title of baron. If one were Baron Stratford and the title viscount were conferred upon him, he would be Baron Stratford and Viscount Avon. And so on in the upward scale of titles.

Earl is the oldest of English titles. It exists only in England, while all the others abound on the Continent. This was once the highest in the realm. Marquess was unknown in England before 1385. Its chief advantage seems to be that it affords the Crown an opportunity to raise an earl to a higher degree without making him a duke. The latter is the title of highest rank, next to the princes of the blood. The first in England was Edward the Black Prince. The oldest son born to the reigning monarch is Duke of Cornwall. The title "Prince of Wales" is conferred upon him.

All noblemen from baron to duke are addressed as "my lord." The style of a marquess, if specially addressed according to title, is "Most Noble;" that of earls, viscounts, barons, "the Right Honorable;" that of duke, "His Grace the Duke." There is a nobility which comes from office, as in the case of bishops, lord chancellor, and certain judges. With the exception of lord chancellor, they are mere titles of courtesy. Knighthood is not hereditary, but is conferred for special services.

The annuities paid by the British people to the royal family for its support are as follows: The Queen, $1,925,000; Prince of Wales, $200,000; Princess of Wales, $50,000; Crown Princess of Prussia, $40,000; Duke of Edinburgh, $125,000; Princess Christine, $30,000; Princess Louise, $30,000; Duke of Connaught, $125,000; Princess Beatrice, $30,000; Duke of Cambridge (the Queen's cousin), $60,000; Duchess of Teck (the Queen's cousin), $25,000; Duchess of Albany, $30,000; Duchess of Mecklenburg-Strelitz (the Queen's cousin), $15,000. Total, $2,715,000 per annum.

European Reigning Families.

The Emperor of Austria-Hungary is Francis Joseph I., who was born 1830, and was proclaimed Emperor of Austria after the abdication of his uncle, Ferdinand I., on December 2, 1848. He was crowned King of Hungary June 8, 1867. He married, in 1854, Elizabeth, a daughter of Duke Maximilian of Bavaria. They have two children, the eldest, a daughter, married to Luitpold of Bavaria, and Rudolph, Crown Prince, who is married to Stephanie, daughter of the King of Belgium. There are about twenty Archdukes and Archduchesses of Austria, collateral relatives of the reigning house and members of the formerly reigning branch of Tuscany and Modena. The family is descended from Count Rudolph of Hapsburg, who was elected Emperor of Germany in 1276.

The Emperor of Germany and King of Prussia is William I., born March 22, 1797; succeeded his brother as King of Prussia January 2, 1861; proclaimed Emperor of Germany at Versailles, France, January 18, 1871. He married, in 1829, Augusta, a daughter of the Grand Duke of Saxe-Weimar. The Crown Prince is married to the eldest daughter of Queen Victoria, and they have two sons and four daughters, the eldest, Frederick William, now 28 years old, and himself the father of three sons. The Crown Prince has a sister, wife of the Grand Duke of Baden. The reigning family is descended from Frederick of Hohenzollern, a German Count, in 980, and Frederick William, the Elector of Brandenburg, 1640-'88, whose son became King of Prussia.

Italy's King is Humbert I., eldest son of Victor Emmanuel, the first King of United Italy. He married, in 1868, his cousin Margherita, daughter of Ferdinand, Duke of Genoa, and they have had issue one child only: Victor Emmanuel, Prince of Naples, heir apparent, born in 1869. The King has one sister, the wife of Prince Napoleon, head of the Bonaparte family, and another, the wife of the King of Portugal. The family is that of Savoy, of the eleventh century.

The Emperor of Russia is Alexander III., born in 1845, and succeeded his father, Alexander II. (who died by assassination), March 13, 1881. He married, in 1866, the Princess Dagmar, daughter of the present King of Denmark and sister of the King of Greece. They have issue three sons and two daughters, the eldest son and the heir apparent being the Grand Duke Nicholas, born in 1868. The Grand Dukes Vladimir and Alexis and the Grand Duchess Marie, the Duchess of Edinburgh, are brothers and sister of the Czar. Constantine, Nicholas and Michael are the Czar's uncles. The Russian reigning family is descended from Michael Romanoff, elected Czar in 1613.

The little King of Spain, Alfonso XIII., is two years old in May of this year. His mother is Queen Regent during his minority. He has one sister, born in 1882. The King's aunts are the Infantas Isabella, Maria, and Eulalia. The King's grandmother is ex-Queen Isabella, born in 1830, crowned 1833, abdicated 1870. A second cousin of the King is Don Carlos, born in 1848, and a pretender to the Spanish throne, who is married, and has a daughter and a son, Prince Jaime, born in 1870. The reigning family are Bourbons, descendants of King Louis XIV. of France.

Of the Emperor Napoleon I. of France and his brothers Joseph and Louis male issue is now extinct. Lucien and Jerome are represented by Prince Napoleon Bonaparte, son of Jerome, the youngest brother of Napoleon I., the head of the family. His children are: Prince Napoleon Victor, born 1862; Prince Napoleon Louis, born 1864, and Princess Marie, born 1866. The living sister of Prince Napoleon is the Princess Mathilde. Prince Lucien Bonaparte, who is the Cardinal Bonaparte, is the representative of the eldest son of Napoleon's brother Lucien and the head of that branch of the imperial family. He was born 1828, created Cardinal 1868. Prince Louis Lucien Bonaparte, born 1813, is the only living uncle of the Cardinal Bonaparte. He has no children. Prince Roland Bonaparte is the only living male cousin of the Cardinal. He is a son of the late Prince Pierre Napoleon Bonaparte; was born 1858; married, 1880, the daughter of Blanc, the proprietor of the Monte Carlo gambling hell. His wife died in 1882, leaving him a daughter and a fortune, and he married, in 1886, a cousin. He has one sister, Jeanne, born 1861. Ex-Empress Eugenie, widow of the late Emperor Napoleon III., was a daughter of Count Cyprien de Montijo, a Spanish grandee, and was born May 5, 1826. She married, 1853. Became a widow 1873. Her only son, Prince Louis Napoleon, was killed in Zululand in 1879. The Bonapartist faction is divided between the "Jeromists," or adherents of Prince Napoleon, who affect to accept the republic for the present, while aiming at what they call a "Consular republic," and the "Victorists," who favor the imperial pretensions of Prince Victor, the elder son of Prince Napoleon. Of the other French pretender, the Count of Paris, Louis Philippe, is the eldest son of the late Duke of Orleans, who was the eldest son of King Louis Philippe. He was born August 24, 1838, and his father to two sons, the eldest being Robert, Duke of Orleans, heir apparent. The only brother of the Count of Paris is the Duke of Chartres. The uncles of the Count of Paris are as follows: Louis, Duke of Nemours, born 1814; he is the father of two daughters and two sons, the eldest son being the Count of Eu, born 1842, married to a daughter of Pedro II. of Brazil, and the second son being the Duke of Alencon, born 1844, and married to a daughter of the King of Bavaria; Francis, Prince of Joinville; Henry, Duke of Aumale; and Anthony, Duke of Montpensier, born 1824; married, 1832, to sister of Queen Isabella of Spain. By the death of the Count of Chambord, in 1883, the elder line of the Bourbons of France became extinct, and the right of succession merged in the Count of Paris, representative of the younger, or Orleans line.

The reigning family of Great Britain is well known. Queen and Empress Victoria was born May 24, 1819, and in 1840 married Prince Albert of Saxe-Coburg Gotha, who died in 1861. They had nine children: Victoria, now Crown Princess of Germany; Albert Edward, Prince of Wales; Alice, Duchess of Hesse, now dead; Alfred, Duke of Edinburgh; Helena, Princess Christian; Louise, Marchioness of Lorne; Arthur, Duke of Connaught; Leopold, Duke of Albany, now dead; and Beatrice, Princess of Battenberg. The eldest son of the Prince of Wales is Edward, now in his twenty-fourth year. Queen Victoria has had, to date, fifty-one children, grandchildren and great grandchildren, of whom forty-two are living and nine are dead.

FAMOUS INVENTIONS.

The following shows the name of inventor and the date of many of the most important inventions of the world:

Name.	Inventor.	Date.
Air Gun	Marin	1595
Air Pump	Otto von Garvicke	654
Anchor	Anarchsis	594 B. C.
Balloon	Montgolfier	1783
Barometer	Torricelli	1643
Bellows	Anarchsis	593 B. C.
Camera Obscura	Roger Bacon	1297
Cannon	John Owen	1380
Clock	First erected in Padua, 11th Century.	
Compass	The Chinese	1115 B. C.
Cotton Gin	Eli Whitney	1793
Electric Clock	Wheatstone	1840
" Light	Sir Humph. Davy	1813
Engraving	The Chinese	1000 B. C.
Fire Engine	Hautch	1657
Gas	Von Helmont	1625
Glass	Phœnicians	
Gunpowder	Berthold Schwarz	1320
Hydraulic Press	Jos. Bramah	1796
Lightning Conductor	Benj. Franklin	1752
Lithography	Senefelder	1798
Locomotive	Watt	1759
Matches	Walker	1827
Microscope	Jansen	1590
Phonograph	Edison	1877
Photography	Wedgewood	1802
Piano Forte	Christofali	1714
Pneumatic Railway	Pinkus	1835
Stocking Frame	Wm. Lee	1589
Printing	Gutenberg	1438
Sewing Machine	Elias Howe	1841
Steamboat	Robert Fulton	1807
Telegraph	S. F. B. Morse	1837
Torpedo	Bushnell	1777
Telephone	Elisha Grey	
"	A. G. Bell	
"	T. A. Edison	1877
Telescope	Lifferbein	1608
Thermometer	Drebbel	1609

Watch—Said to have been first invented at Nuremberg, 1477, although it is affirmed that Robert, King of Scotland, had a watch about 1310. Spring watches have been ascribed to Dr. Hooke, and by some to Huyghens, about 1658; the anchor escapement by Clement, 1680; the horizontal watch by Graham, 1724; repeating watches by Barlow, in 1676.

AMERICAN WONDERS.

The greatest river in the world is the Missouri, which is 4100 miles long.

The largest deposits of anthracite coal in the world are in Pennsylvania.

The largest lake in the world is Lake Superior, being 430 miles long and 1000 feet deep.

The largest valley in the world is the Valley of the Mississippi. It contains 500,000 square miles.

The greatest mass of solid iron in the world is the great Iron Mountain in Missouri. It is 350 feet high and two miles in circuit.

The greatest cataract in the world is the Falls of Niagara, which plunges over the rocks in two columns to the depth of 170 feet each.

The greatest cave in the world is the Mammoth Cave in Kentucky, which contains a navigable lake abounding in eyeless fish.

The greatest natural bridge in the world is the natural bridge over Cedar Creek in Virginia. It extends across a chasm 80 feet in width and 250 feet in depth.

WEALTH IN WOOL.

The total number of sheep in the United States and Territories in 1886 was 48,322,331; in 1887, 44,759,314, being a decrease in one year of 3,563,017. The past twelve years, however, show an increase of 10,975,914, or of 32 per cent., since 1875. In 1887 there were in California 6,069,698 head of sheep, in Ohio 4,562,913, in Michigan 2,156,127, and in Texas 4,761,831, showing since 1875 a decrease in Ohio and Michigan, while Texas more than tripled the number in the State in 1875. New Mexico in 1880 had 2,088,831 sheep, which number increased by 1887 to 4,025,742. Oregon, in 1875, had 634,400 sheep; in 1887, 2,593,629. Kansas, in 1875, had 118,000 sheep; in 1887, 1,106,852. Colorado, in 1875, had 600,000; in 1887, 1,149,178. Nebraska, in 1875, had 42,600 sheep; in 1887, 439,700. The quantities and value of wool produced in the United States and Territories, as estimated by the statistician of the Department of Agriculture, were: In 1865, 155,000,000 pounds, value not given; in 1875, 192,000,000 pounds, value, $94,320,652; in 1880, 240,000,000 pounds, value, $90,230,537; in 1886, 285,000,000 pounds, value, $68,400,000. The value of the manufactures of worsted and woolen goods was: in 1850, $43,207,545; in 1860, $65,596,364; in 1870, $177,495,689; and in 1880, $267,252,913.

THEIR ORIGIN.

Columbus was the son of a weaver. Franklin was the son of a tallow chandler. Whitfield was the son of a tavern-keeper. Cardinal Wolsey was the son of a butcher. Bishop Hall was the son of a farmer. Catharine, Empress of Russia, was a camp grisette. Shakspeare was a son of a wool stapler. Virgil was the son of a porter. Milton was the son of a note-broker. Burns was a plowman. Mahomet was a driver of asses. Claude Larraine was the son of a pastry cook. John Jacob Astor was an apple peddler. Cincinnatus was a farmer. Homer was the son of a farmer. Oliver Cromwell was the son of a brewer. Horace was the son of a shopkeeper. Confucius was a carpenter. Terence was a slave.

POPULAR NAMES.

Most American States and cities have nicknames that have been applied to them, often curiously and sometimes inappropriately. Following are the names of States:

Virginia, the Old Dominion; Massachusetts, the Bay; Maine, the Border; Rhode Island, Little Rhody; New York, the Empire; New Hampshire, the Granite; Vermont, the Green Mountain; Connecticut, the Land of Steady Habits, the Nutmeg; Pennsylvania, the Keystone; North Carolina, the Old North; Ohio, the Buck-Eye; South Carolina, the Palmetto; Michigan, the Wolverine; Kentucky, the Corn-cracker; Delaware, the Blue Hen's Chicken; Missouri, the Puke; Indiana, the Hoosier; Illinois, the Sucker; Iowa, the Hawk-Eye; Wisconsin, the Badger; Florida, the Peninsula; Texas, the Lone Star.

Similarly many cities have odd names. Here are some of them:

Philadelphia, the Quaker City; Boston, the modern Athens, the Hub; New York, Gotham; Baltimore, the Monumental City; Cincinnati, the Queen City; New Orleans, the Crescent City; Washington, the City of Magnificent Distances; Chicago, the Garden City; Detroit, the City of the Straits; Cleveland, the Forest City; Pittsburg, the Smoky City; New Haven, the City of Elms; Indianapolis, the Railroad City; St. Louis, the Mound City; Keokuk, the Gate City; Louisville, the Fall City; Nashville, the City of Rocks; Hannibal, the Bluff City; Alexandria, the Delta City; Buffalo, the Blizzard City.

CHANCES OF LIFE.

According to the American table of mortality the chances in one thousand cases of living fifteen, twenty and twenty-five years, are as follows, omitting decimals:

Age.	15.	20.	25.
25	877	833	784
30	868	817	756
35	853	789	708
40	827	742	632
45	781	665	520
50	707	552	376
55	597	406	224

ILLITERACY.

The last census enumerates 36,761,607 persons of ten years of age and upwards. Of this number 4,923,451, or 13.4 per cent., are returned as unable to read, and 6,239,958, or 17 per cent., as unable to write. The following States show over 40 per cent. of their population as unable to write: Alabama, 60; Florida, 43; Georgia, 50; Louisiana, 49; Mississippi, 50; New Mexico, 65; North Carolina, 48; South Carolina, 55; and Virginia, 41; and the following States with less than 5 per cent. unable to read: Connecticut, 4; Dakota, 3; Illinois, 4; Indiana, 5; Iowa, 2; Kansas, 4; Maine, 4; Michigan, 4; Minnesota, 4; Montana, 5; Nebraska, 2½; New Hampshire, 4; New Jersey, 5; New York, 4; Ohio, 4; Oregon, 4; Pennsylvania, 5; Utah, 5; Virginia, 5; and Wisconsin, 4.

BAITS FOR FISH.

Sea Bass.—Use stout 70-foot line; several No. 1 hooks; 12 oz. sinker; clam bait on rocky bottoms.

Blackfish.—Use 30 to 70-foot line; medium hook and sinker; bait with clam, shrimp, crab or lobster on rocky bottom.

Flounders.—Use any kind of salt water fish bait; medium line and sinker; small hook, No. 8.

Bluefish.—Large-sized cotton line 150 feet long; No. 0000 hook set in a squid of bone or mother-of-pearl. Fished by trolling from sail boat at speed of five miles an hour.

Sheepshead.—Use line 100 to 150 feet; largest sized blackfish hook; whole clam, chub or lobster bait; fish in rocky bottoms.

Kingfish.—Use bass tackle, substituting a No. 4 salmon hook; bait, shedder crab. This fish runs deeper than bass or weakfish.

Crab.—Use piece of fish or meat on short line and pole from pier or boat in shoal water.

Pickerel.—Use 10-foot rod, 180-foot flax line, salmon hook No. 0 to 5; bait, small live fish or frog or spoon; taken by trolling, skittering or still fishing.

Trout.—Use artificial flies or live worms or insects for bait; fine line; small hook; rod 14 feet long.

Black Bass.—Use stout pliable rod, grass line 200 feet long; gut leader five feet long; bait, live minnows; fished by trolling and skittering.

FACTS ABOUT THE PRINCIPAL COUNTRIES OF THE WORLD.

Country.	Prevailing Religion.	Public Debt.	Public Revenue.	Public Expenditure.	Army. Peace Footing. No. of Men	Army. War Footing. No. of Men.	Navy. Vessels	Navy. No. of Men.
Argentine Republic	Roman Catholic	$134,672,500	$31,236,749	$32,694,490	7,400	357,518	33	991
Austro-Hungary	Roman Catholic	2,262,281,850	383,616,740	406,246,365	284,495	1,071,034	68	9,764
Belgium	Roman Catholic	337,371,090	63,227,830	65,374,150	47,237	103,860	10	172
Bolivia	Roman Catholic	21,923,000	2,527,515	3,300,528	3,021	6,000	.....	.....
Brazil	Roman Catholic	431,584,400	66,524,700	75,727,168	13,500	32,000	48	4,984
Canada	Protestant	252,585,745	33,314,540	32,153,565	2,000	700,152	.....	.....
Chili	Roman Catholic	87,644,520	27,779,705	26,848,448	8,137	59,963	11	2,225
China	Confucian	53,614,280	121,500,000	110,230,400	300,000	1,200,000	56	.....
Colombia	Roman Catholic	19,911,350	5,864,750	7,805,670	4,000	30,740	.....	.....
Denmark	Protestant	64,786,910	13,781,789	14,863,365	37,727	50,522	44	1,122
Ecuador	Roman Catholic	18,163,750	1,847,890	2,421,400	.....	.....	.....	.....
Egypt	Mohammedan	558,649,365	52,621,350	51,330,400	10,900	43,000	13	.....
France	Roman Catholic	7,174,967,310	645,685,952	663,822,691	523,833	3,750,000	389	40,000
Germany	Protestant	98,600,000	152,982,665	152,982,665	445,392	2,650,000	99	16,500
Great Britain	Protestant	3,624,094,857	424,982,571	431,052,974	142,194	582,175	246	57,250
Greece	Greek Church	90,496,660	16,340,000	14,967,900	35,000	.....	16	2,637
Hawaii	Protestant	898,800	1,211,500	1,608,200	400	.....	.....	.....
India (British)	Hindu	812,273,740	358,637,105	351,699,675	189,000	380,000	.....	.....
Italy	Roman Catholic	2,201,907,485	312,141,530	311,286,705	881,203	2,400,078	125	13,340
Japan	Buddhism	271,190,200	62,035,625	62,035,625	61,881	68,880	31	5,551
Mexico	Roman Catholic	142,500,000	37,107,500	34,171,730	22,230	.....	8	.....
Netherlands	Protestant	376,908,500	47,280,660	59,686,080	65,113	165,010	165	3,436
Persia	Mohammedan	.....	15,000,000	13,750,000	30,000	105,500	.....	.....
Peru	Roman Catholic	241,650,000	66,601,664	68,000,000	13,200	70,000	.....	.....
Prussia	Protestant	836,306,740	281,226,735	281,226,735	.....	.....	.....	.....
Portugal	Roman Catholic	400,000,000	34,265,780	35,172,680	34,333	78,024	39	3,200
Roumania	Greek Church	150,000,000	16,663,760	16,663,760	18,532	150,000	10	530
Russia	Greek Church	2,617,000,000	357,866,215	363,668,140	729,770	3,200,000	389	30,000
Saxony	Protestant	163,412,855	17,176,365	17,176,365	.....	.....	.....	.....
Servia	Greek Church	35,000,000	7,691,470	7,699,315	15,000	200,000	.....	.....
Spain	Roman Catholic	1,190,000,000	174,186,840	174,281,250	100,000	400,000	250	21,700
Sweden and Norway	Protestant	92,394,635	34,569,111	34,710,090	56,814	250,000	179	8,610
Switzerland	Protestant	6,120,780	8,646,060	8,566,940	.....	215,000	.....	.....
Turkey	Mohammedan	461,129,135	68,450,000	70,495,000	1 0,417	610,200	49	5,000
United States	Protestant	1,295,451,406	.....	.....	27,682	.....	90	.....
Uruguay	Roman Catholic	61,579,204	9,920,000	9,925,000	2,500	27,700	.....	.....
Venezuela	Roman Catholic	51,773,190	7,362,500	7,400,000	3,000	60,000	4	200

INDUSTRIAL PROGRESS IN THE SOUTH.

The following figures are compiled from statistics furnished by the *Manufacturers' Record* of Baltimore, and show the amount of new capital and capital stock represented by new industrial enterprises and the enlargement of old plants, in all of the Southern States, during 1886 and 1887. The statistics for the last quarter of last year are partly estimated:

	1886.	1887.
Alabama	$19,848,000	$42,497,000
Arkansas	15,240,000	24,614,000
Florida	1,659,000	2,110,000
Georgia	3,599,000	14,010,000
Kentucky	28,404,000	35,947,000
Louisiana	2,240,000	8,557,000
Maryland	8,765,000	15,634,000
Mississippi	774,000	3,966,000
North Carolina	3,676,000	7,477,000
South Carolina	1,208,000	3,594,000
Tennessee	21,240,000	42,040,000
Texas	5,694,000	15,508,000
Virginia	8,514,000	26,234,000
West Virginia	8,365,000	10,216,000
	$129,226,000	$250,404,000

During the first nine months of 1887 the new industries in the South were: Iron furnace companies, 26; machine shops and foundries, 80; agricultural implement factories, 17; flour mills, 98; cotton mills, 59; furniture factories, 41; gas works, 29; water works, 65; carriage and wagon factories, 32; electric light companies, 53; mining and quarrying enterprises, 444; lumber mills, 512; ice factories, 76; canning factories, 60; stove foundries, 3; brick works, 141; miscellaneous iron works, rolling mills, pipe works, &c., 56; cotton compresses, 33; cotton-seed oil mills, 15; natural gas companies, 46; miscellaneous enterprises not included in foregoing, 708. Total, 2594. This as against 1175 new enterprises during the same period of 1886. In 1880, 6,048,571 tons of coal were mined in the South, and in 1886 the output was 13,852,713 tons, an increase of over 100 per cent. Cotton mills have increased from 180, with 15,222 looms and 713,989 spindles, in 1880, to about 370 mills, with nearly 30,000 looms and 1,500,000 spindles. In 1880 there were 40 cotton-seed oil mills in the South. In 1887 there were 150, with over $10,000,000 invested. The South produces $700,000,000 a year of agricultural products. Since 1879–'80 its cotton alone has sold for $2,500,000,000, or an average of $300,000,000 a year.

THE RACE OF GIPSIES.

The conclusion that the gipsies wandered forth from India is now almost universally accepted, but when or from what part of India are questions on which few have done more than idly speculate. The identification of the gipsies with the Jats, who in Punjab alone number 1,300,393, has received the support of many of those whose opinions on such matters must receive the greatest respect. In a metrical paraphrase of Genesis, made by an Austrian monk about 1122, they are noticed as Ishmaelites, and their descent thus credited to Hagar. There is a tale extant that the wandering instinct of the gipsy is due to the fact that their ancestors refused to shelter the Virgin and child in their flight into Egypt. This race has many other names in addition to that of gipsy, such as Bohemians, in France; Ciganos, in Portugal; Gitanos, in Spain; Hiedens, in Holland; Pharaoh-nepek, in Hungary; Tartar, in Denmark and Sweden; Walachians, in Italy; and Zigeuner, in Germany.

HOUSEHOLD HINTS.

To CLEAN GILT CORNICES.—Wash them well with warm milk, and polish then with a soft wash-leather.

To CLEAN CARVED FURNITURE.—The best duster with which to clean carved furniture is a new paint brush; it will remove all the dust.

To CLEAN SMOKY CEILINGS.—Ceilings that have been smoked by a kerosene lamp should be washed off with soda water. Grained wood should be washed with cold tea.

To RESTORE FADED CARPETS.—Dip the carpet in strong salt and water. Blue factory cotton or silk handkerchiefs will not fade if dipped in salt water while they are new.

To CLEAN GILDING.—Remove all dust with a soft brush; then wash the gilding lightly and rapidly with warm water in which an onion has been boiled. Dry it by rubbing with soft cloths.

To RENEW CHANDELIER.—To renew a dusty and discolored chandelier, apply a mixture of bronze powder and copal varnish. The druggist where they are purchased will tell you in what proportion they should be mixed.

To HIDE FINE CRACKS IN WALLS.—Fine cracks in walls—cracks all but imperceptible—often damage seriously the painter's work. The best course is to treat them with alum-size containing a little fine whiting. There will then be no further trouble. After a second coat of paint the lines will wholly disappear.

To REMOVE INK FROM CARPETS.—Take up as much as possible with a spoon, pour cold sweet milk upon the spot, and take up with a spoon until the milk is only faintly tinged with ink, then wash with cold water and wipe dry. The writer has in this way removed nearly half a pint of ink from a delicate cream-colored carpet without leaving a stain.

To REMOVE WHITE STAINS FROM FURNITURE.—Have ready three pieces of woolen cloth, with one well dipped in lamp oil (or if that is not convenient, linseed oil), rub the spot briskly, wet the second with alcohol and apply to oily surface, rubbing briskly, as too much alcohol will destroy the varnish; and finally polish with the third cloth, moistened with oil or furniture polish.

HANDY MEASUREMENTS.

The following will be found exceedingly useful at times. These are *inside* dimensions:

A box 8 2-5 in. by 8 in., and 8 in. deep, contains a peck.

A box 8 in. square, and 4⅕ in. deep, contains a gallon.

A box 7 in. square, and 2¾ in. deep, contains a half gallon.

A box 4 in. square, and 4 1-5 in. deep, contains a quart.

A box 3 in. square, and 3⅖ in. deep, contains a pint.

A box 24 in. by 17 in., and 28 in. deep, contains a barrel.

A box 18 in. by 15½ in., and 8 in. deep, contains a bushel.

A box 13¼ in. square, and 11¼ in. deep, contains a bushel.

A box 12 in. by 11½ in., and 9 in. deep, contains a half bushel.

A box 10 in. square, and 10¾ in. deep, contains a half bushel.

National Centennial Celebrations.

In September of last year the centennial anniversary of the adoption and promulgation of the United States Constitution was celebrated in Philadelphia. The celebration covered the three days—Thursday, Friday and Saturday, September 15th, 16th and 17th. On the 15th there was a grand Industrial Display under the general direction of Col. A. Louden Snowden, which was seven hours in passing a given point, and was by far the largest exhibition of the sort ever made in America.

On Friday, the 16th, there was a military parade, composed of United States regular troops, United States marines, Girard College cadets and companies of State militia from over half the States in the Union. Fifteen thousand men were in line, the Governors of States riding at the head of their several State troops, the whole under the command of Lieutenant-General Philip H. Sheridan. It was reviewed by the President of the United States. Stands had been erected along Broad street from Wharton to Dauphin streets, and on Market and Chestnut streets from Broad to Fifth street, and they were filled with tier upon tier of enthusiastic thousands, the whole forming one of the grandest military spectacles of the century.

On Saturday there were public exercises in Independence Square, at which President Cleveland presided, the opening and closing prayers being made by Bishop Potter of New York and Cardinal Gibbons of Baltimore, respectively. There were addresses by President Cleveland and President Kasson of the Constitutional Celebration Committee, and the oration was given by Associate Justice Samuel F. Miller of the United States Supreme Court.

Among the social incidents of the celebration were: A reception to Governor Beaver and the visiting Governors at the Academy of Fine Arts on Thursday evening; a breakfast to the Justices of the United States and State Supreme Courts by the Bar of Philadelphia; a breakfast to President Cleveland by the Merchants' Exchange; a banquet at St. George's Hall by the Hibernian Society; a reception to President and Mrs. Cleveland and members of the Cabinet at the Academy of Music on Friday evening by the Centennial Commission; a reception to Mrs. Cleveland at Wootton by Mr. and Mrs. George W. Childs; and a grand banquet to the President at the Academy of Music on Saturday evening, by the University of Pennsylvania, the Pennsylvania Historical Society, the Academy of Natural Sciences, the Franklin Institute, and the College of Physicians and Surgeons. There were present the President of the United States, the Governors of nearly all the States in the United States, the Chief Justice of the Supreme Court, the head of the army, the head of the navy, the President *pro tem.* of the Senate, and a large number of the representative men of the nation and of Philadelphia.

The President of the Commission was Hon. John A. Kasson of Iowa, the President of the Executive Committee Amos R. Little of Philadelphia, and the Secretary Hampton L. Carson, Esq.

The centennial anniversary of the organization of the constitutional government of the United States, of the first meeting of Congress, and of the inauguration of George Washington as President, all in the city of New York, takes place April 30, 1889. The Chamber of Commerce of New York has taken the initiative in a movement to celebrate this anniversary in appropriate style in New York. Mr. Hewitt, of New York, has introduced a joint resolution in the United States House of Representatives for the appointment of a joint committee of seven Senators and five Representatives to consider in what manner the anniversary shall be celebrated. The Chamber of Commerce is prepared to co-operate with the Congressional Committee, and has appointed the proper committees. James M. Brown is chairman of the general committee, Richard A. McCurdy of the committee on plan and scope of celebration, Orlando B. Potter of that on Congressional legislation, W. H. Robertson on that of State legislation, and Franklin Edson on that to confer with State and municipal authorities.

Senator Hoar, of Massachusetts, in the United States Senate, July 31, 1886, reported from the Committee on Library a resolution that the Senate appoint a committee of seven members to act with a similar committee of the House of Representatives, to consider the expediency of properly celebrating at Washington, in 1892, the 400th anniversary of the discovery of America by Columbus. It is proposed by a committee of citizens who are promoting this movement, and of which Alexander D. Anderson, Washington, of is Secretary, that the occasion shall be marked by a World's Exposition at Washington, from May 1 to October 1, and a permanent exhibition of American productions, and that the President of the United States shall invite the heads of the governments of North, Central, and South America, and of Spain and Italy (the two countries concerned with Columbus in the discovery of America), to participate in the inauguration ceremonies. The resolution was adopted, after debate, by a vote of 41 to 12, and the following committee was appointed: Senators Hoar, Sherman, Sewell, Hawley, Voorhees, Gorman, and Eustis. The committee is expected to report at the present session.

COLLEGE CHEERS.

UNIVERSITY OF PENNSYLVANIA—"Hoorah! Hoorah! Hoorah! Penn-syl-van-i-a!"
HARVARD—"'Rah, 'rah, 'rah! 'rah, 'rah, 'rah! 'rah, 'rah, 'rah! Harvard!"
YALE—"'Rah, 'rah, 'rah! 'rah, 'rah, 'rah! 'rah, 'rah, 'rah! Yale!"
PRINCETON—"Hurray! hurray! hurray! Tiger—sis-s-s! boom! ah!"
CORNELL—"Cornell! Cornell! Cornell! I yell, yell, yell, Cornell!"
COLUMBIA—"Hurray! hurray! hurray! C-o-l-u-m-b-i-a!"
WESLEYAN—"'Rah, 'rah, 'rah! Wesleyan!"
RUTGERS—"Hurrah! Hurrah! Hurrah! Bow-wow-wow!"
WILLIAMS—"'Rah! 'rah, 'rah! Willyums! yams! yums! Willyums!"
DARTMOUTH—"Wah, who, wah! wah, who, wah!—da, did!, Dartmouth! -Wah, who, wah!"

United States Government.

EXECUTIVE DEPARTMENT.

PRESIDENT—Grover Cleveland, of New York. Salary, $50,000.
VICE-PRESIDENT—[Vacant]. Salary, $10,000.
SECRETARY OF STATE—Thomas F. Bayard, of Delaware. Salary, $8000.
SECRETARY OF THE TREASURY—Chas. S. Fairchild, of New York. Salary, $8000.
SECRETARY OF WAR—William C. Endicott, of Massachusetts. Salary, $8000.
SECRETARY OF THE NAVY—William C. Whitney, of New York. Salary, $8000.
POSTMASTER-GENERAL—William F. Vilas, of Wisconsin. Salary, $8000.
SECRETARY OF THE INTERIOR—Lucius Q. C. Lamar, of Mississippi. Salary, $8000.
ATTORNEY-GENERAL—Augustus H. Garland, of Arkansas. Salary, $8000.
COMMISSIONER OF THE GENERAL LAND OFFICE—W. A. J. Sparks, of Illinois. Salary, $4000.
COMMISSIONER OF PATENTS—Benton J. Hall, of Iowa. Salary, $4500.
COMMISSIONER OF PENSIONS—J. C. Black, of Illinois. Salary, $5000.
COMMISSIONER OF AGRICULTURE—N. J. Colman, of Missouri. Salary, $4500.
COMPTROLLER OF THE CURRENCY—Wm. L. Trenholm. Salary, $5000.
COMMISSIONER OF INDIAN AFFAIRS—J. D. C. Atkins, of Tennessee. Salary, $4000.
TREASURER OF THE UNITED STATES—James W. Hyatt, of Connecticut. Salary, $6000.
COMMISSIONER OF INTERNAL REVENUE—Joseph S. Miller, of West Virginia. Salary, $6000.
REGISTER OF THE TREASURY—W. S. Rosecrans, of California. Salary, $4000.
SOLICITOR-GENERAL—Geo. A. Jenks, of Pennsylvania. Salary, $7000.
COMMISSIONER OF CUSTOMS—John S. McCalmont, of Pennsylvania. Salary, $4000.

THE JUDICIARY.

United States Supreme Court.

CHIEF JUSTICE—Morrison R. Waite, of Ohio. Appointed 1874. Salary, $10,500.

There are eight Associate Justices, who each receive $10,000 a year salary. Their names, with date of appointment, follow: Samuel F. Miller, Iowa (1862); Stephen J. Field, California (1863); Joseph P. Bradley, New Jersey (1870); John M. Harlan, Kentucky (1877); Stanley Matthews, Ohio (1881); Horace Gray, Massachusetts (1881); Samuel Blatchford, New York (1882). [Vacant]. Clerk, James H. McKenney.

United States Circuit Court.

First Judicial Circuit—Mr. Justice Gray of Boston. Districts of Maine, New Hampshire, Massachusetts, and Rhode Island.
Circuit Judge, Le Baron B. Colt, Rhode Island.
Second Judicial Circuit—Mr. Justice Blatchford, of New York. Districts of Vermont, Connecticut, and New York.
Circuit Judge, William J. Wallace, New York.
Third Judicial Circuit—Mr. Justice Bradley, of Newark. Districts of New Jersey, Pennsylvania, and Delaware.
Circuit Judge, William McKennan, Washington, Pa.
Fourth Judicial Circuit—Mr. Chief Justice Waite. Districts of Maryland, West Virginia, Virginia, North Carolina, and South Carolina.
Circuit Judge, Hugh L. Bond, Baltimore.
Fifth Judicial Circuit—[Vacant]. Districts of Georgia, Florida, Alabama, Mississippi, Louisiana, and Texas.
Circuit Judge, Don A. Pardee, New Orleans, La.
Sixth Judicial Circuit—Mr. Justice Matthews, of Cincinnati. Districts of Ohio, Michigan, Kentucky, and Tennessee.
Circuit Judge, Howell E. Jackson, Nashville, Tenn.
Seventh Judicial Circuit—Mr. Justice Harlan, of Louisville, Ky. Districts of Indiana, Illinois, and Wisconsin.
Circuit Judge, Walter Q. Gresham, Chicago, Ill.
Eighth Judicial Circuit—Mr. Justice Miller, of Keokuk, Iowa. Districts of Minnesota, Iowa, Missouri, Kansas, Arkansas, and Nebraska.
Circuit Judge, David J. Brewer, Kansas.
Ninth Judicial Circuit—Mr. Justice Field, of San Francisco, Cal. Districts of California, Oregon, and Nevada.
Circuit Judge, Lorenzo Sawyer, San Francisco, Cal.

United States Court of Claims.

CHIEF JUSTICE, William A. Richardson, Massachusetts.
JUDGE, Charles C. Nott, New York.
" " John Davis, Massachusetts.
" " Glenni W. Scofield, Pennsylvania.
" " Lawrence Weldon, Illinois.
CHIEF CLERK, Archibald Hopkins.
ASSISTANT CLERK, John Randolph.

THE UNITED STATES ARMY.

LIEUTENANT GENERAL—Philip H. Sheridan.
MAJOR GENERAL—John M. Schofield.
" " Alfred H. Terry.
" " Oliver O. Howard.
BRIGADIER GENERAL—George Crook.
" " Nelson A. Miles.
" " David S. Stanley.
" " John Gibbon.
" " Thomas H. Ruger.
" " Wesley Merritt.
ADJUTANT GENERAL—Richard C. Drum.
INSPECTOR GENERAL—Absalom Baird.
JUDGE ADVOCATE GENERAL—G. N. Lieber (acting).
QUARTERMASTER GENERAL—Sam'l B. Holabird.
COMMISSARY GENERAL—Robert Macfeely.
SURGEON GENERAL—John Moore.
PAYMASTER GENERAL—William B. Rochester.
CHIEF OF ENGINEERS—James C. Duane.
CHIEF OF ORDNANCE—Stephen V. Benet.
CHIEF SIGNAL OFFICER—Adolphus W. Greely.

THE UNITED STATES NAVY.

ADMIRAL—David D. Porter.
VICE ADMIRAL—Stephen C. Rowan.
REAR ADMIRAL—Stephen B. Luce.
" " James E. Jouett.
" " Ralph Chandler.
" " L. A. Kimberley.
" " Bancroft Gherardi.
" " Daniel L. Braine.
ACTING REAR ADMIRAL—James A. Greer.

The Fiftieth Congress.

MEETS FIRST MONDAY IN DECEMBER, 1887.

SENATE.

ALABAMA.
1891 James L. Pugh, *D.*
1889 John T. Morgan, *D.*

ARKANSAS.
1891 James K. Jones, *D.*
1889 Thos. W. Berry, *D.*

CALIFORNIA.
1891 Leland Stanford, *R.*
1893 George Hearst, *D.*

COLORADO.
1891 Henry M. Teller, *R.*
1889 Thos. M. Bowen, *R.*

CONNECTICUT.
1891 Orville H. Platt, *R.*
1893 Jos. R. Hawley, *R.*

DELAWARE.
1889 Eli Saulsbury, *D.*
1893 George Gray, *D.*

FLORIDA.
1891 Wilson Call, *D.*
1893 J. J. Finley, *D.**†

GEORGIA.
1891 Jos. E. Brown, *D.*
1889 A. H. Colquitt, *D.*

ILLINOIS.
1891 Chas.B. Farwell, *R.**
1889 S. M. Cullom, *R.*

INDIANA.
1891 D. W. Voorhees, *D.*
1893 David Turpie, *D.**

IOWA.
1891 W. B. Allison, *R.*
1889 Jas. F. Wilson, *R.*

KANSAS.
1891 John J. Ingalls, *R.*
1889 P. B. Plumb, *R.*

KENTUCKY.
1891 J. C. S. Blackburn, *D.*
1889 James B. Beck, *D.*

LOUISIANA.
1891 J. B. Eustis, *D.*
1889 R. L. Gibson, *D.*

MAINE.
1893 Eugene Hale, *R.*
1889 Wm. P. Frye, *R.*

MARYLAND.
1891 E. K. Wilson, *D.*
1893 A. P. Gorman, *D.*

MASSACHUSETTS.
1893 Henry L. Dawes, *R.*
1889 Geo. F. Hoar, *R.*

MICHIGAN.
1893 F. B. Stockb'rge, *R.**
1889 T. W. Palmer, *R.*

MINNESOTA.
1893 C. K. Davis, *R.**
1889 D. M. Sabin, *R.*

MISSISSIPPI.
1893 James Z. George, *D.*
1889 Ed. C. Walthall, *D.*

MISSOURI.
1891 George G. Vest, *D.*
1893 F. M. Cockrell, *D.*

NEBRASKA.
1893 A. S. Paddock, *R.**
1889 C. F. Manderson, *R.*

NEVADA.
1891 John P. Jones, *R.*
1893 W. M. Stewart, *R.**

NEW HAMPSHIRE.
1891. Henry W. Blair, *R.*
1889 W. E. Chandler, *R.*

NEW JERSEY.
1893 Rufus Blodgett, *D.**
1889 J. R. McPherson, *D.*

NEW YORK.
1891 Wm. M. Evarts, *R.*
1893 Frank Hiscock, *R.**

NORTH CAROLINA.
1891 Zeb. B. Vance, *D.*
1889 M. W. Ransom, *D.*

OHIO.
1891 H. B. Payne, *D.*
1893 John Sherman, *R.*

OREGON.
1891 John H. Mitchell, *R.*
1889 Joseph N. Dolph, *R.*

PENNSYLVANIA.
1891 J. D. Cameron, *R.*
1893 M. S. Quay, *R.**

RHODE ISLAND.
1893 N. W. Aldrich, *R.*
1889 Jonathan Chace, *R.*

SOUTH CAROLINA.
1891 Wade Hampton, *D.*
1889 M. C. Butler, *D.*

TENNESSEE.
1893 Wm. B. Bate, *D.**
1889 Isham G. Harris, *D.*

TEXAS.
1893 Jno. H. Reagan, *D.**
1889 Richard Coke, *D.*

VERMONT.
1891 J. S. Morrill, *R.*
1893 G. F. Edmunds, *R.*

VIRGINIA.
1893 J. W. Daniel, *D.**
1889 H. H. Riddleb'g'r, *D.*

WEST VIRGINIA.
1893 D. B. Lucas, *D.**†
1889 John E. Kenna, *D.*

WISCONSIN.
1891 John C. Spooner, *R.*
1893 Philetus Sawyer, *R.*

Republicans, 38; Democrats, 37; Independent, 1.

*New members. †By Executive appointment.

HOUSE OF REPRESENTATIVES.

ALABAMA.
1 James T. Jones, *D.**
2 Hilary A. Herbert, *D.**
3 William C. Oates, *D.**
4 A. C. Davidson, *D.**
5 James E. Cobb, *D.*
6 John H. Bankhead, *D.*
7 Wm. H. Forney, *D.**
8 Joseph Wheeler, *D.**

ARKANSAS.
1 Poindexter Dunn, *D.**
2 C. R. Breckinridge, *D.**
3 Thos. C. McRae, *D.**
4 John H. Rodgers, *D.**
5 Samuel W. Peel, *D.**

CALIFORNIA.
1 Charles A. Garter, *R.*
2 Marion Biggs, *D.*
3 Joseph McKenna, *R.**
4 Wm. W. Morrow, *R.**
5 Frank J. Sullivan, *D.*
6 Wm. Vandever, *R.*

COLORADO.
1 George G. Symes, *R.**

CONNECTICUT.
1 Robert J. Vance, *D.*
2 Carlos French, *D.*
3 Charles A. Russell, *R.*
4 Miles T. Granger, *D.*

DELAWARE.
1 J. B. Pennington, *D.*

FLORIDA.
1 R. H. M. Davidson, *D.**
2 Chas. Dougherty, *D.**

GEORGIA.
1 Thos. M. Norwood, *D.**
2 Henry G. Turner, *D.**
3 Charles F. Crisp, *D.**
4 Thomas M. Grimes, *D.*
5 John D. Stewart, *D.*
6 James H. Blount, *D.**
7 Jud. C. Clements, *D.**
8 Henry H. Carlton, *D.*
9 Allen D. Candler, *D.**
10 George T. Barnes, *D.**

ILLINOIS.
1 R. W. Dunham, *R.**
2 Frank Lawler, *D.**
3 William E. Mason, *R.*
4 George E. Adams, *R.**
5 Albt. J. Hopkins, *R.**
6 Robert R. Hitt, *R.**
7 T. J. Henderson, *R.**
8 Ralph Plumb, *R.**
9 Lewis E. Payson, *R.**
10 Philip S. Post, *R.*
11 William H. Gest, *R.*
12 Geo. A. Anderson, *D.*
13 Wm. M. Springer, *D.**
14 John H. Rowell, *R.**
15 Jos. G. Cannon, *R.**
16 Silas Z. Landes, *D.**
17 Edward Lane, *D.*
18 Jehu Baker, *R.*
19 R. W. Townsbend, *D.**
20 John R. Thomas, *R.**

INDIANA.
1 Alvin P. Hovey, *R.*
2 John H. O'Neall, *D.*
3 Jonas G. Howard, *D.**
4 Wm. S. Holman, *D.**
5 C. C. Matson, *D.**
6 Thos. M. Browne, *R.**
7 Wm. D. Bynum, *D.**
8 Jas. T. Johnston, *R.**
9 Jos. B. Cheadle, *R.*
10 William D. Owen, *R.*
11 George W. Steele, *R.*
12 James B. White, *R.*
13 Benj. F. Shively, *D.*

IOWA.
1 John H. Gear, *R.*
2 Walter I. Hayes, *D.*
3 D. B. Henderson, *R.**
4 Wm. E. Fuller, *R.**
5 Daniel Kerr, *R.*
6 James B. Weaver, *D.**
7 Edwin H. Conger, *R.*
8 A. R. Anderson, *R.*
9 Joseph Lyman, *R.**
10 A. J. Holmes, *R.**
11 Isaac S. Struble, *R.**

KANSAS.
1 Edm. N. Morrill, *R.**
2 E. H. Funston, *R.**
3 B. W. Perkins, *R.**
4 Thomas Ryan, *R.**
5 Jno. A. Anderson, *R.*
6 E. J. Turner, *R.*
7 Samuel R. Peters, *R.*

KENTUCKY.
1 William J. Stone, *D.**
2 Polk Laffoon, *D.**
3 W. G. Hunter, *R.*
4 A. B. Montgomery, *D.*
5 Asher G. Caruth, *D.*
6 John G. Carlisle, *D.**
7 W. C. P. Breckenr'e, *D.*
8 Jas. B. McCreary, *D.**
9 George M. Thomas, *D.*
10 Wm. P. Taulbee, *D.**
11 H. F. Finley, *R.*

LOUISIANA.

1 T. S. Wilkinson, *D.*
2 Matt. D. Lagan, *D.*
3 Edward J. Gay, *D.**
4 N. C. Blanchard, *D.**
5 Cherub. Newton, *D.*
6 S. M. Robertson, *D.*

MAINE.

1 Thomas B. Reed, *R.**
2 N. Dingley, Jr., *R.**
3 Seth L. Milliken, *R.**
4 Chas. A. Boutelle, *R.**

MARYLAND.

1 Chas. H. Gibson, *D.**
2 Frank T. Shaw, *D.**
3 Harry W. Rusk, *D.**
4 Isidor Raynor, *D.*
5 Barnes Compton, *D.**
6 L. E. McComas, *R.**

MASSACHUSETTS.

1 Robert T. Davis, *R.**
2 John D. Long, *R.**
3 Leopold Morse, *D.*
4 Pat'k A. Collins, *D.**
5 Edw. D. Hayden, *R.**
6 Henry C. Lodge, *R.*
7 William Coggswell, *R.*
8 Charles H. Allen. *R.**
9 Edward Burnett, *D.*
10 John E. Russell, *D.*
11 William Whiting, *R.**
12 F. W. Rockwell, *R.**

MICHIGAN.

1 J. L. Chapman, *D.*
2 Ed. P. Allen, *R.*
3 James O'Donnell, *R.**
4 J. C. Burrows, *R.**
5 Melbirne H. Ford, *D.*
6 Mark S. Brewer, *R.*
7 Justin R. Whiting, *D.*
8 Tim. E. Tarsney, *D.*
9 B. M. Cutcheon, *R.**
10 Spencer O. Fisher, *D.**
11 Seth C. Moffatt, *R.**

MINNESOTA.

1 Thomas Wilson, *D.*
2 John Lind, *R.*
3 John L. McDonald, *D.*
4 Edmund Rice, *D.*
5 Knute Nelson, *R.**

MISSISSIPPI.

1 John M. Allen, *D.**
2 Jas. B. Morgan, *D.**
3 T. C. Catchings, *D.**
4 Fred. G. Barry, *D.**
5 C. L. Anderson, *D.*
6 Thos. R. Stockdale, *D.*
7 Chas. E. Hooker, *D.*

MISSOURI.

1 Wm. H. Hatch, *D.**
2 C. H. Mansur, *D.*
3 Alex. M. Dockery, *D.**
4 James N. Burnes, *D.**
5 William Warner, *R.**
6 John T. Heard, *D.**
7 John E. Hutton, *D.**
8 John J. O'Neill, *D.**
9 John M. Glover, *D.**
10 Martin L. Clardy, *D.**
11 Richard P. Bland, *D.**
12 William J. Stone, *D.**
13 W. H. Wade, *R.**
14 J. P. Walker, *D.*

NEBRASKA.

1 John A. McShane, *D.*
2 James Laird, *R.**
3 G. W. E. Dorsey, *R.**

NEVADA.

1 William Woodburn, *R.**

NEW HAMPSHIRE.

1 L. F. McKinney, *D.*
2 J. H. Gallinger, *R.**

NEW JERSEY.

1 George Hires, *R.**
2 James Buchanan, *R.**
3 John Kean, Jr., *R.*
4 Jas. N. Pidcock, *D.**
5 Wm. W. Phelps, *R.**
6 Herman Lehlbach, *R.**
7 William McAdoo, *D.**

NEW YORK.

1 Perry Belmont, *D.**
2 Felix Campbell, *D.**
3 S. V. White, *R.*
4 Peter P. Mahoney, *D.**
5 Arch. M. Bliss, *D.**
6 A. J. Cummings, *D.*
7 Lloyd S. Brice, *D.*
8 Tim. J. Campbell, *D.**
9 S. S. Cox, *D.*
10 Frank B. Spinola, *D.*
11 T. A. Merriman, *D.**
12 Wm. B. Cockran, *D.*
13 Ashbel P. Fitch, *R.*
14 W. G. Stahlnecker, *D.*
15 Henry Bacon, *D.**
16 Jno. H. Ketcham, *R.**
17 Steph. T. Hopkins, *R.*
18 Edw. W. Greenman, *D.*
19 Charles Tracy, *D.*
20 George West, *R.**
21 John H. Moffit, *R.*
22 A. X. Parker, *R.**
23 James S. Sherman, *R.*
24 David Wilber, *R.*
25 James J. Belden, *R.*
26 Milton Delano, *R.*
27 Newton W. Nutting, *R.*
28 Thomas S. Flood, *R.*
29 Ira Davenport, *R.**
30 Charles S. Baker, *R.**
31 John G. Sawyer, *R.**
32 J. M. Farquhar, *R.**
33 John B. Weber, *R.**
34 Wm. G. Laidlaw, *R.*

NORTH CAROLINA.

1 Louis C. Latham, *D.*
2 J. H. Abbott, *R.*
3 C. W. McClammy, *D.*
4 John Nichols, *L.*
5 John M. Brower, *R.*
6 Alf. W. Rowland, *D.*
7 J. S. Henderson, *D.**
8 W. H. H. Cowles, *D.**
9 Wm. H. Malone, *R.*

OHIO.

1 Ben. Butterworth, *R.**
2 Charles E. Brown, *R.**
3 E. S. Williams, *R.*
4 S. S. Yoder, *D.*
5 George E. Seney, *D.*
6 M. M. Boothman, *R.*
7 Jas. E. Campbell, *D.*
8 Robt. P. Kennedy, *R.*
9 Wm. C. Cooper, *R.**
10 Jacob Romels, *R.**
11 Jacob J. Pugsley, *R.*
12 A. C. Thompson, *R.**
13 J. H. Outhwait, *D.**
14 C. H. Grosvenor, *R.**
15 Beriah Wilkins, *D.**
16 C. P. Wickham, *R.*
17 Joseph D. Taylor, *R.**
18 George W. Crouse, *R.*
19 Ezra B. Taylor, *R.**
20 Wm. McKinley, Jr., *R.**
21 Martin A. Foran, *D.**

OREGON.

1 Binger Herman, *R.**

PENNSYLVANIA.

E. S. Osborne, *R.**
1 H. H. Bingham, *R.**
2 Charles O'Neill, *R.**
3 Sam'l J. Randall, *D.**
4 Wm. D. Kelley, *R.**
5 Alfred C. Harmer, *R.**
6 S. Darlington, *R.*
7 Robert M. Yardley, *R.*
8 D. Ermentrout, *D.**
9 Jno. A. Heistand, *R.**
10 Wm. H. Sowden, *D.**
11 Chas. R. Buckalew, *D.*
12 John Lynch, *D.*
13 Chas. N. Brumm, *R.**
14 Franklin Bound, *R.**
15 Frank C. Bunnell, *R.**
16 H. C. McCormick, *R.*
17 Edward Scull, *R.*
18 Louis E. Atkinson, *R.*
19 Levi Maish, *D.*
20 John Patton, *R.*
21 Welty McCullough, *R.*
22 John Dalzell, *R.*
23 Thomas M. Bayne, *R.**
24 Oscar L. Jackson, *R.**
25 James T. Maffett, *R.*
26 Norman Hall, *D.*
27 William L. Scott, *D.**

RHODE ISLAND.

1 Henry J. Spooner, *R.** 2 Warren O. Arnold, *R.*

SOUTH CAROLINA.

1 Samuel Dibble, *D.**
2 Geo. D. Tillman, *D.**
3 James S. Cothran, *D.*
4 William H. Perry, *D.**
5 John J. Hemphill, *D.**
6 George W. Dargan, *D.**
7 William Elliott, *D.*

TENNESSEE.

1 Roder'k R. Butler, *R.*
2 Leon C. Houk, *R.**
3 John R. Neal, *D.**
4 Benton McMillin, *D.**
5 J. D. Richardson, *D.**
6 J. E. Washington, *D.*
7 W. C. Whitthorne, *D.*
8 Benjamin A. Enloe, *D.*
9 Presley T. Glass, *D.**
10 James Phelan, *D.*

TEXAS.

1 Charles Stewart, *D.**
2 John H. Reagan, *D.**
3 C. B. Kilgore, *D.*
4 D. B. Culberson, *D.**
5 Silas Hare, *D.*
6 Joseph Abbott, *D.*
7 William H. Crain, *D.**
8 L. W. Moore, *D.*
9 Roger Q. Mills, *D.**
10 Joseph D. Sayres, *D.**
11 S. W. T. Lanham, *D.**

VERMONT.

1 John W. Stewart, *R.** 2 William W. Grout, *R.**

VIRGINIA.

1 T. H. B. Brown, *R.*
2 George E. Bowden, *R.*
3 George D. Wise, *D.**
4 W. E. Gaines, *R.*
5 John R. Brown, *R.*
6 Sam'l G. Hopkins, *L.*
7 C. T. O'Ferrall, *D.**
8 W. H. F. Lee, *D.*
9 H. C. Bowen, *R.*
10 Jacob Yost, *R.*

WEST VIRGINIA.

1 Nathan Goff, Jr., *R.**
2 W. L. Wilson, *D.**
3 Charles P. Snyder, *D.**
4 Charles E. Hogg, *D.*

WISCONSIN.

1 Lucien B. Caswell, *R.**
2 Richard Guenther, *R.*
3 R. M. LaFollette, *R.**
4 Henry Smith, *L.*
5 Thomas R. Hudd, *D.**
6 Charles B. Clark, *R.*
7 O. B. Thomas, *R.**
8 William T. Price, *R.†*
9 Isaac Stephenson, *R.**

Whole number.....325

Republicans	156
Democrats	165
Labor	3

APPROPRIATIONS BY CONGRESS.

The following have been the annual appropriations made by the United States Congress for the expenses of the Government for each fiscal year ending June 30, from 1874 to 1887 inclusive:

	1874.	1875.	1876.	1877.	1878.	1879.	1880.
Deficiencies	$11,143,240	$4,053,812	$2,387,372	$834,696	$2,547,186	$15,213,259	$4,633,824
Legislative, Executive, and Judicial	18,170,441	20,758,255	16,038,699	16,057,021	15,756,774	15,868,694	16,136,230
Sundry Civil	32,173,258	26,924,747	29,459,853	15,895,065	17,079,256	24,968,590	19,724,869
Support of the Army	31,796,009	27,788,500	27,933,830	27,621,868	None.	51,279,679	26,797,300
Naval Service	22,275,708	20,813,947	17,001,307	12,741,791	13,589,933	14,153,432	14,028,469
Indian Service	5,505,219	5,538,275	5,425,627	4,567,018	4,827,666	4,734,876	4,713,479
Rivers and Harbors	7,352,000	5,228,000	6,648,518	5,015,000	None.	8,322,700	9,577,495
Forts and Fortifications	1,800,000	900,000	850,000	315,000	275,000	275,000	275,000
Military Academy	344,318	339,835	364,740	290,065	286,604	292,805	319,547
Post-Office Department	6,496,602	7,175,542	8,376,205	5,927,498	2,939,725	4,222,275	5,872,376
Pensions	30,480,000	29,980,000	30,000,000	29,533,500	28,533,000	29,371,574	56,238,200
Consular & Diplomatic	1,311,359	3,404,804	1,374,985	1,188,797	1,146,748	1,087,535	1,097,735
Miscellaneous	3,342,648	2,108,041	1,853,805	4,134,692	1,425,091	2,226,390	2,995,124
Totals	$172,290,701	$155,017,758	$147,714,941	$124,122,011	$88,356,983	$172,016,809	$162,404,648

	1881.	1882.	1883.	1884.	1885.	1886.	1887.
Deficiencies	$6,118,085	$5,110,862	$9,853,869	$2,882,680	$4,385,836	$3,332,717	$13,572,883
Legislative, Executive, and Judicial	16,532,009	17,797,398	20,322,908	20,763,843	21,556,902	21,495,661	20,809,781
Sundry Civil	22,503,508	22,011,223	25,425,479	23,713,404	22,346,750	25,961,904	22,650,658
Support of the Army	26,425,800	26,687,800	27,052,099	24,681,250	24,454,450	24,014,052	23,753,057
Naval Service	14,405,798	14,566 038	14,903,559	15,954,247	8,931,856	21,280,767	16,489,557
Indian Service	4,657,263	4,587,807	5,219,604	5,388,656	5,903,151	5,773,329	5,561,263
Rivers and Harbors	8,976,500	11,451,300	18,988,875	None.	14,948,300	None.	14,464,900
Forts and Fortifications	550,000	575,000	375,000	670,000	700,000	725,000	59,877
Military Academy	316,234	322,435	335,557	318,657	314,563	309,902	297,805
Post-Office Department	3,883,420	2,152,258	1,902,178	Indefinite.	Indefinite.	Indefinite.	Indefinite.
Pensions	41,644,000	68,282,307	116,000,000	86,575,000	20,810,000	60,000,000	76,075,200
Consular & Diplomatic	1,180,335	1,191,435	1,256,655	1,296,255	1,225,140	1,242,925	1,364,065
Agricultural Dep't*	253,300	335,500	427,280	405,640	480,190	580,790	654,715
District of Columbia†	3,425,247	3,379,571	3,496,060	3,505,495	3,594,256	3,622,683	3,721,051
Miscellaneous	4,959,332	1,128,006	5,888,994	1,806,439	7,800,004	2,268,383	10,184,571
Totals	$155,830,841	$179,579,000	$251,428,117	$187,911,566	$137,451,398	$170,608,114	$209,659,383

* Previous to 1881 appropriations for the Agricultural Department were included in the legislative, executive, and judicial appropriations. † Previous to 1881 appropriations for the District of Columbia were included in the sundry civil expenses appropriations.

SCHOOL STATISTICS.

(From the latest reports of the Commissioner of Education.)

States.	Pupils enrolled in Public Schools.	Salaries of Teachers.	No. of Colleges	No. of Students.	States.	Pupils enrolled in Public Schools.	Salaries of Teachers.	No. of Colleges	No. of Students.
Alabama	215,578	$486,781	4	463	Missouri	527,452	2,828,630	18	1352
Arkansas	153,216	.....	5	236	Nebraska	137,618	954,383	6	433
California	179,801	2,573,624	11	1283	Nevada	7,868	133,318	1	.....
Colorado	37,372	432,254	3	110	New Hampshire	64,654	426,472	1	232
Connecticut	123,280	1,130,863	3	924	New Jersey	211,905	1,435,826	3	622
Delaware	31,263	152,591	1	53	New York	1,000,057	7,985,723	27	3513
Florida	58,311	161,076	1	65	North Carolina	278,298	416,197	10	694
Georgia	287,411	.....	7	580	Ohio	762,755	5,807,758	33	2960
Illinois	728,681	5,640,474	27	1980	Oregon	43,157	286,960	7	105
Indiana	501,142	3,154,083	14	1763	Pennsylvania	966,039	5,403,636	27	2480
Iowa	406,947	3,075,870	20	1288	Rhode Island	49,255	446,200	1	240
Kansas	303,601	1,682,735	9	621	South Carolina	185,619	243,674	9	501
Kentucky	238,440	.....	14	1212	Tennessee	350,143	822,561	18	1209
Louisiana	79,018	.....	10	622	Texas	244,895	.....	9	762
Maine	146,345	1,020,082	3	354	Vermont	73,263	425,931	2	160
Maryland	170,393	1,245,684	10	871	Virginia	288,030	1,032,608	7	995
Massachusetts	342,012	4,524,371	7	2134	West Virginia	166,272	641,575	2	63
Michigan	404,966	2,674,485	8	1324	Wisconsin	316,969	1,866,906	8	615
Minnesota	223,209	1,369,541	5	349					
Mississippi	266,996	714,306	3	269	Total	10,572,751	$61,297,179	.....	.....

The total school population in the United States, according to the latest reports, is 16,510,463; but o this vast number not above 7,000,000 are kept in school on an average throughout the entire schoo year. We pay out for our public schools almost $105,000,000 annually, the largest sum, $11,834,912 being paid by New York, though Illinois, Pennsylvania and Ohio come close after, with almos $10,000,000 each. There are 365 collegiate institutions in this country, attended annually by 34,377 stu dents. In college libraries there are 2,956,528 volumes, and the total value of all the grounds and build ings of the institutions for higher education reaches $18,479,200.

Pennsylvania State Government.

GOVERNOR, James A. Beaver, *R.* Salary, $10,000.
LIEUTENANT GOVERNOR, William T. Davies, *R.* Salary, $3500.
SECRETARY OF THE COMMONWEALTH, Chas. W. Stone, *R.* Salary, $5100 and fees.
ATTORNEY GENERAL, W. S. Kirkpatrick, *R.* Salary, $3500 and fees.
STATE TREASURER, Wm. Livsey, *R.* Salary, $6200.
SECRETARY OF INTERNAL AFFAIRS, Thomas J. Stewart, *R.* Salary, $3500.
AUDITOR GENERAL, A. W. Norris, *R.* Salary, $4200.
BUREAU OF STATISTICS, Albert S. Bolles, *R.*, Commissioner. Salary, $2000.
SUPERINTENDENT OF PUBLIC INSTRUCTION, Elnathan E. Higbee, *R.* Salary $3750.
ADJUTANT GENERAL, D. H. Hastings, *R.* Sal., $3500.
INSURANCE DEPARTMENT, J. Montgomery Forster, *D.*, Commissioner. Salary, $3000.
STATE LIBRARIAN, W. H. Egle, *R.* Salary, $1800.
SUPERINTENDENT OF PUBLIC PRINTING, W. Hayes Grier, *D.* Salary, $2000.
SUPERINTENDENT OF PUBLIC BUILDINGS AND GROUNDS, W. H. H. Stackpole, *R.* Salary, $1400.
STATE PRINTER, Edward K. Meyers, *D.*

THE LEGISLATURE.

Senate.

Dist.		Dist.	
1	G. H. Smith, *R.*	26	O. A. Lines, *R.*
2	William McAleer, *D.*	27	S. P. Wolverton, *D.*
3	F. A. Osbourn, *R.*	28	Gerard C. Brown, *D.*
4	J. J. Macfarlane, *R.*	29	Luther R. Keefer, *R.*
5	John E. Reyburn, *R.*	30	M. C. Watson, *D.*
6	Boles Penrose, *R.*	31	J. B. Selheimer, *D.*
7	John C. Grady, *R.*	32	Wm. A. Martin, *D.*
8	Henry S. Taylor, *R.*	33	H. J. McAteer, *D.*
9	Thos. V. Cooper, *R.*	34	W. W. Betts, *D.*
10	George Ross, *D.*	35	H. A. Boggs, *R.*
11	F. R. Brunner, *R.*	36	W. S. Alexander, *R.*
12	Henry R. Brown, *R.*	37	G. W. Hood, *R.*
13	Amos H. Mylin, *R.*	38	J. H. Wilson, *D.*
14	John M. Stehman, *R.*	39	George F. Huff, *R.*
15	A. F. Thompson, *R.*	40	T. B. Schnatterly, *D.*
16	M. C. Henninger, *D.*	41	W. B. Meredith, *R.*
17	J. P. S. Gobin, *R.*	42	James S. Rutan, *R.*
18	Jacob Dachrodt, *R.*	43	John Upperman, *R.*
19	A. D. Harlan, *R.*	44	J. C. Newmeyer, *R.*
20	L. A. Watres, *R.*	45	Samuel S. Steel, *R.*
21	M. B. Williams, *R.*	46	J. R. McLain, *R.*
22	J. H. Shull, *D.*	47	Samuel McClure, *R.*
23	J. K. Newell, *R.*	48	O. C. Allen, *R.*
24	Verus H. Metzger, *D.*	49	E. A. Walling, *R.*
25	Lewis Emery, *R.*	50	G. W. Delamater, *R.*

Republicans, 36; Democrats, 14.

House of Representatives.

ADAMS.
G. L. Rice, *D.*
Howard Dicks, *D.*

ALLEGHENY.
1 Jas. L. Graham, *R.*
Chas. O. Lappe, *R.*
Max Schneider, *R.*
2 M. B. Lemon, *R.*
Jas. F. Richards, *R.*
3 James Bulger, *D.*
4 Sam. M. Lafferty, *R.*
George W. More, *R.*
A. C. Robertson, *R.*
S. W. Church, *R.*
5 H. K. Sample, *R.*
Sam. E. Stewart, *R.*
6 John F. Cox, *R.*
Henry H. Murray, *R.*

ARMSTRONG.
Robert Dougherty, *R.*
A. J. Elliott, *R.*

BEAVER.
H. P. Brown, *R.*
John F. Dravo, *R.*

BEDFORD.
C. P. Calhoun, *R.*
N. C. Evans, *R.*

BERKS.
1 S. H. Smith, *R.*
J. L. Douglas, *R.*
2 Benjamin C. Baer, *D.*
L. P. G. Fegley, *D.*
Nat. S. Kauffman, *D.*
John E. Pautsch, *D.*

BLAIR.
S. B. Isenberg, *R.*
Edmund Shaw, *R.*

BRADFORD.
E. M. Tuton, *R.*
W. S. Kinney, *R.*
W. B. Heckman, *R.*

BUCKS.
C. E. Hindenach, *D.*
John Schwartz, *D.*
Charles Gaine, *D.*
August. Willett, *D.*

BUTLER.
J. B. Showalter, *R.*
J. M. Thompson, *R.*

CAMBRIA.
D. McLaughlin, *D.*
John S. Rhey, *D.*

CAMERON.
G. A. Barclay, *R.*

CARBON.
A. Raudenbush, *R.*
Daniel Bachman, *D.*

CENTRE.
J. A. Woodward, *D.*
Leonard Rhone, *D.*

CHESTER.
Lewis H. Evans, *R.*
William Evans, *D.*
John W. Hickman, *R.*
W. W. McConnell, *R.*

CLARION.
A. W. Smiley, *D.*
C. Brinker, *D.*

CLEARFIELD.
A. G. Kramer, *D.*

CLINTON.
John U. Shaffer, *D.*

COLUMBIA.
A. L. Fritz, *D.*
James T. Fox, *D.*

CRAWFORD.
Forest R. Nichols, *R.*
Clement N. Smith, *R.*
Alex. S. Beatty, *R.*
Andrew G. Apple, *R.*

CUMBERLAND.
Sam'l M. Wherry, *D.*
Jesse P. Zeigler, *D.*

DAUPHIN.
1 W. E. Barnes, *R.*
2 Valent. Lenker, *R.*
Bayard Dickinson, *R.*

DELAWARE.
Rob't Chadwick, *R.*
J. B. Robinson, *R.*

ELK.
A. A. Clay, *D.*

ERIE.
1 James R. Burns, *D.*
2 E. K. Nason, *R.*
Thos. Osborne, Jr., *R.*
Warren Chaffee, *R.*

FAYETTE.
George W. Neff, *R.*
John R. Byrne, *R.*

FOREST.
Chas. A. Randall, *R.*

FRANKLIN.
H. G. Critzman, *R.*
Geo. J. Balsley, *R.*
Cyrus T. Keefer, *R.*

FULTON.
J. A. Robinson, *D.*

GREENE.
John Blair, *D.*

HUNTINGDON.
J. Irvin White, *R.*
G. W. Owens, *R.*

INDIANA.
John P. Elkin, *R.*
S. J. Craighead, *R.*

JEFFERSON.
Wm. Altman, *R.*

JUNIATA.
Joseph Martin, *R.*

LANCASTER.
1 S. T. Davis, *R.*
2 Hiram Peoples, *R.*
A. C. Baldwin, *R.*
3 W. S. Smith, *R.*
C. C. Kauffman, *R.*
John S. Kemper, *R.*

LEBANON.
Thomas H. Capp, *R.*
Samuel M. Noll, *R.*

LEHIGH.
Jeremiah Roth, *D.*
David D. Roper, *D.*
Hugh E. Crilly, *D.*

LAWRENCE.
Henry Edwards, *R.*
Silas Stevenson, *R.*

LUZERNE AND LACKAWANNA.
1 J. R. Wright, *D.*
2 M. B. Hughes, *R.*
3 P. F. Caffrey, *D.*
4 D. M. Evans, *R.*
5 P. H. Durkin, *D.*
6 J. T. Williams, *R.*
Martin Jordan, *D.*
7 J. M. Seamans, *R.*
8 M. E. McDonald, *D.*

* In May, William B. Hart, *R.*, will be sworn in as State Treasurer.

LYCOMING.
John VanVorse, *D.*
C. W. Williamson, *D.*
George W. Taylor, *D.*

MCKEAN.
F. S. Johnson, *R.*

MERCER.
J. S. Fruit, *R.*
Henry Hall, *R.*
P. J. Boyd, *R.*

MIFFLIN.
W. P. Stevenson, *R.*

MONROE.
W. E. Gregory, *D.*

MONTGOMERY.
W. D. Heebner, *R.*
J. M. Cunningham, *R.*
Austin L. Taggart, *R.*
J. A. Shoemaker, *R.*
Samuel Faust, *R.*

MONTOUR.
Jacob P. Hoffa, *D.*

NORTHAMPTON.
W. H. Hulick, *R.*
Erwin Merrill, *I. D.*
P. S. Bachman, *I. D.*

NORTHUMBERLAND.
William A. Dean, *D.*
H. T. Eckert, *D.*

PERRY.
J. R. Flickinger, *R.*

PHILADELPHIA.
1 James McMullen, *R.*
John Finley, *R.*
2 George McGowan, *D.*
James C. Hassett, *D.*
3 W. J. Carberry, *D.*
4 J. F. Sharkey, *D.*
5 Adam S. Conway, *D.*
6 Hugh E. Mackin, *D.*
7 Henry K. Boyer, *R.*
Thomas Spratt, *R.*
8 John M. Scott, *R.*
9 Charles M. Betts, *R.*
10 William R. Leeds, *R.*
11 John Kelly, *D.*
12 C. R. Gentner, *D.*
13 Wm. H. Vodges, *R.*
14 William Kidd, *R.*
15 Samuel Collins, *R.*
James W. Walk, *R.*
Rich. Patterson, *R.*
16 Andrew Lee, *D.*
17 John E. Faunce, *D.*
18 W. F. Stewart, *R.*
Jacob Sailor, *R.*
19 George Worman, *R.*
S. J. Hothersall, *R.*
John Eichner, *R.*
20 Wm. H. Keyser, *R.*
John H. Riebel, *R.*
21 R. R. Dearden, *R.*
22 Wm. H. Brooks, *R.*
23 Benjamin Jones, *R.*
24 C. W. Thomas, *R.*
25 John Emhart, *R.*
26 Joseph R. Souder, *R.*
Joshua Russell, *R.*
27 H. P. Connell, *R.*
28 Harry B. Ring, *R.*

PIKE.
M. D. Mott, *D.*

POTTER.
J. H. Chase, *R.*

SCHUYLKILL.
1 John Tahany, *R. G.*
2 D. D. Phillips, *R. G.*
3 Thomas Purcell, *D.*
4 Elias Davis, *R. G.*
C. C Matten, *R. G.*
E. W. Thomas, *R. G.*

SNYDER.
Aaron S. Helfrich, *R.*

SOMERSET.
James L. Pugh, *R.*
Noah S. Miller, *R.*

SULLIVAN.
W. C. Rogers, *R.*

SUSQUEHANNA.
E. H. True, *R.*
W. E. Maxey, *R.*

TIOGA.
H. B. Packer, *R.*
Henry M. Foote, *R.*

UNION.
H. P. Glover, *R.*

VENANGO.
G. S. Criswell, *R.*
R. F. Glenn, *D.*
O. P. Morrow, *R.*

WARREN.
Henry Brace, *R.*

WASHINGTON.
John G. Clarke, *R.*
J. B. Finley, *R.*
J. K. Billingsley, *R.*

WAYNE.
E. B. Hardenbergh, *R.*
S. S. Hager, *R.*

WESTMORELAND.
Edward Callaghan, *D.*
James M. Beacom, *R.*
James H. Lafferty, *D.*

WYOMING.
A. G. Carpenter, *R.*

YORK.
Eli Z. Strine, *D.*
H. M. Bortner, *D.*
I. C. Bellone, *D.*
S. J. Barnhart, *D.*

Republicans, 131; Democrats, 63; Greenbackers, 5; Independent Democrats, 2. Total, 201.

THE JUDICIARY.

Supreme Court of Pennsylvania.

	Name.	When elected.	P. O.
CHIEF JUSTICE,	Isaac G. Gordon, *R.*,	1873,	Br'kville.
JUSTICES,	Edward M. Paxson, *R.*,	1874,	Philad'a.
	John Trunkey, *D.*,	1877,	Franklin.
	James P. Sterrett, *R.*,	1878,	Pittsb'g.
	Henry Green, *R.*,	1880,	Easton.
	Silas M. Clark, *D.*,	1882,	Indiana.
	H. W. Williams, *R.*,	1887,	Wellsb'o.

Philadelphia Common Pleas.

No. 1.—President Judge, Joseph Allison, *R.*; Associate Judges, F. A. Brégy, *R.*, and Craig Biddle, *R.*

No. 2.—President Judge, J. I. Clark Hare; Associate Judges, James T. Mitchell, *R.*, and D. Newlin Fell, *R.*

No. 3.—President Judge, Thomas K. Finletter, *R.*; Associate Judges, James Gay Gordon, *D.*, and Henry Reed, *R.*

No. 4.—Prest. Judge, M. Russell Thayer, *R.*; Associate Judges, M. Arnold, *D.*, and R. N. Willson, *R.*

The Common Pleas Courts.

Dist.	Counties.	Judges.
2	Lancaster	J. B. Livingston, *R.*
	Add. Judge	D. W. Patterson.
3	Northampton	W. W. Schuyler, *D.*
	Add. Judge	H. J. Reeder.
4	Tioga	S. F. Wilson, *R.*
5	Allegheny	E. H. Stowe, *R.*
	Add. Judges	F. H. Collins, *R.*
		Jacob F. Slagle.
	Court No. 2	Thomas Ewing.
	Add. Judges	J. W. F. White.
		Christ. Magee.
6	Erie	Frank. Gunnison, *R.*
7	Bucks	Harman Yerkes, *D.*
8	Northumberland	W. Rockefeller, *R.*
9	Cumberland	W. F. Sadler, *R.*
10	Westmoreland	James A. Hunter, *R.*
11	Luzerne	Charles E. Rice, *R.*
	Add. Judge	Stanley Woodward.
12	Dauphin and Lebanon	J. W. Simonton, *R.*
	Add. Judge	John B. McPherson.
13	Bradford	Paul D. Morrow, *R.*
14	Fayette and Green	James Ingham, *D.*
	Add. Judge	Nathaniel Ewing.
15	Chester	J. S. Futhey, *R.*
	Add. Judge	W. B. Waddell.
16	Bedford and Somerset	William J. Baer, *D.*
17	Butler and Lawrence	A. L. Hazen, *R.*
18	Clarion and Jefferson	T. S. Wilson, *R.*
19	York	John Gibson, *D.*
	Add. Judge	J. W. Latimer.
20	Union, Snyder, Mifflin	J. C. Bucher, *D.*
21	Schuylkill	Cyrus L. Pershing, *D.*
	Add. Judges	O. P. Bechtel.
		D. B. Green.
22	Wayne and Pike	Henry M. Seely, *R.*
23	Berks	J. J. Hagenman, *D.*
	Add. Judge	J. N. Ermentrout.
24	Blair	John Dean, *R.*
25	Clinton, Cameron, Elk	Charles A. Mayer, *D.*
26	Columbia and Montour	William Elwell, *D.*
27	Washington	J. A. Mellvaine, *R.*
28	Venango	Charles E. Taylor, *R.*
29	Lycoming	H. H. Cummin, *D.*
30	Crawford	John J. Henderson, *R.*
31	Lehigh	Edwin Albright, *D.*
32	Delaware	T. J. Clayton, *R.*
33	Armstrong	James B. Neale, *R.*
34	Susquehanna	J. B. McCullom, *G.D.*
35	Mercer	S. S. Mehard, *D.*
36	Beaver	J. J. Wickham, *R.*
37	Warren and Forest	William D. Brown, *R.*
38	Montgomery	A. A. Swartz, *R.*
	Add. Judge	Henry K. Weand.
39	Franklin	D. W. Rowe, *R.*
40	Indiana	H. White, *R.*
41	Juniata and Perry	C. A. Barnett, *D.*
42	Adams and Fulton	Alexis McClean, *D.*
43	Carbon and Monroe	S. S. Dreher, *D.*
44	Wyoming and Sullivan	John A. Sittser, *D.*
45	Lackawanna	Alfred Hand, *R.*
	Add. Judges	R. W. Archbald,
		J. F. Connolly.
46	Clearfield	David L. Krebs, *D.*
47	Cambria	R. L. Johnston, *D.*
48	McKean and Potter	A. G. Olmsted, *R.*
	Add. Judge	T. A. Morrison.
49	Centre and Huntingdon	A. O. Furst, *R.*

The Vote of Pennsylvania.

COUNTIES.	TREASURER, 1887.				GOVERNOR, 1886.				TREASURER, 1885.			PRESIDENT, 1884.			
	Hart.	McGrann.	Irish.	Kennedy.	Beaver.	Black.	Wolfe.	Houston.	Quay.	Day.	Spangler.	Blaine.	Cleveland	Butler.	St. John.
	R.	*D.*	*P.*	*L.*	*R.*	*D.*	*P.*	*L.*	*R.*	*D.*	*P.*	*R.*	*D.*	*G.*	*P.*
Adams	2797	3204	99	18	2822	3524	133	15	2045	2419	103	3080	3530	32	32
Allegheny	28669	20516	1145	68	27779	20968	2061	193	18197	9439	861	37865	19469	2687	1087
Armstrong	4062	2814	214	24	3880	3240	342	4	3439	3004	225	4685	3591	156	275
Beaver	4172	2752	180	225	4384	2096	369	61	3944	2295	129	5075	3546	222	138
Bedford	3860	3691	42	64	3929	3648	69	29	3200	2811	19	3985	3815	42	31
Berks	6371	11798	253	47	8689	14779	440	19	6323	10129	89	9557	16484	97	129
Blair	4471	3140	312	49	5143	4196	536	44	4549	3446	320	6306	4649	133	252
Bradford	6106	2954	487	162	7000	3860	643	43	5229	2586	462	8405	4216	304	521
Bucks	7465	7472	237	1	7478	7737	382	1	6866	6824	125	8191	8304	19	84
Butler	3998	3370	324	581	4244	3770	575	106	2706	2699	348	5217	4236	110	387
Cambria	3342	4193	232	52	3865	4966	345	20	3313	3941	249	4253	4816	321	177
Cameron	612	444	1	.....	645	528	38	4	512	476	29	757	570	3	4
Carbon	1830	2194	175	833	2605	3299	235	38	2340	2694	84	3250	3392	76	97
Centre	3719	3889	124	70	3979	4329	196	12	2569	2987	139	4057	4495	45	98
Chester	7593	5150	744	28	10048	6451	1216	13	6681	4711	465	10885	7102	85	507
Clarion	2077	3046	88	92	2382	3470	252	44	2120	3079	71	2679	3822	394	139
Clearfield	3410	4110	242	119	3806	5307	385	56	2527	4126	79	4271	5169	201	122
Clinton	2398	2743	54	42	2273	2963	183	6	1777	2234	97	2823	3025	34	69
Columbia	1561	2876	114	34	1879	4202	218	142	1420	2678	77	2443	4357	145	130
Crawford	7218	5751	652	298	6404	5337	1103	252	5634	3378	431	7233	5633	1190	644
Cumberland	3780	4654	302	4	4017	4820	406	10	3375	4572	462	4659	5375	46	105
Dauphin	7957	5277	348	48	7809	6332	626	20	5758	4267	363	9395	6378	170	128
Delaware	5320	2782	336	14	6406	4030	664	.....	4535	2777	288	7512	4538	40	171
Elk	976	1426	4	18	1024	1706	24	25	618	840	12	1082	1447	127	31
Erie	6064	4196	620	55	8001	6572	993	93	5338	3955	627	9230	6725	265	631
Fayette	5796	5903	266	8	5444	5739	367	8	3720	3757	221	5955	6734	217	215
Forest	719	498	30	14	663	507	142	26	486	303	49	705	437	278	27
Franklin	4880	4226	13	2	5126	4376	353	2	3526	3131	127	5570	5261	13	147
Fulton	807	1065	32	.....	846	1128	64	.....	692	764	15	928	1276	.....	13
Greene	2016	3667	108	.....	2157	3593	160	.....	1585	2569	115	2225	4280	2	142
Huntingdon	3386	2382	50	91	3734	2834	171	73	2683	1947	52	3913	2908	208	165
Indiana	4063	1370	251	797	4171	2054	378	731	2329	1004	249	4607	1979	1186	385
Jefferson	3394	2663	40	92	3038	2713	97	40	2843	2246	39	3418	2978	131	112
Juniata	1593	1623	3	16	1707	1752	36	11	1368	1717	13	1711	1900	41	19
Lackawanna	7821	8694	930	.....	6708	6963	1261	18	7760	6180	400	9656	6171	146	541
Lancaster	14947	8350	429	7	18724	9143	732	34	13146	6742	627	19848	9053	43	297
Lawrence	3136	3125	570	3	3431	4684	569	26	2994	1052	213	4322	2048	176	270
Lebanon	3825	1946	104	155	4832	2902	159	15	3619	1568	27	5767	2977	14	8
Lehigh	5077	6970	107	130	5745	7706	172	28	4567	5471	244	6357	8095	6	82
Luzerne	8531	9388	921	14	10534	12631	800	28	8777	9077	437	13206	12854	55	537
Lycoming	4286	5318	215	248	4793	6189	456	21	2651	3182	207	5355	5900	365	214
McKean	2797	1398	233	1439	2877	1985	456	203	1431	1137	191	3820	2980	501	346
Mercer	5507	4282	490	260	5307	4489	732	85	4218	3088	392	6357	4861	518	534
Mifflin	1939	1791	52	6	2005	1994	187	6	1197	1196	50	2082	2085	2	64
Monroe	918	2637	7	.....	943	2896	53	.....	551	1783	16	1009	3242	3	24
Montgomery	11107	16504	358	45	10928	10442	625	11	8426	7966	292	11617	11088	66	215
Montour	848	1268	56	90	934	1618	130	7	863	1309	73	1165	1755	79	46
Northampton	5086	8399	281	8	5877	9484	201	1	3807	5305	62	6327	9491	84	149
Northumberl'd.	4946	4777	108	113	4468	5341	394	711	3697	4253	137	5718	5385	273	101
Perry	2738	2516	83	.....	2880	2769	144	.....	2408	2190	154	3106	2883	2	60
Philadelphia	86872	72620	1188	63	89820	64135	3864	80	78320	64083	1465	101288	71288	778	1279
Pike	366	993	6	.....	400	1007	18	.....	347	846	1	512	1141	10	10
Potter	1945	1106	.....	440	1963	1505	212	.....	1003	622	114	1990	1363	182	102
Schuylkill	9223	10060	188	907	9725	11168	643	1013	7633	8387	101	11272	11200	1426	149
Snyder	2031	1326	41	.....	2070	1315	86	.....	1745	1084	18	2186	1460	1	39
Somerset	3647	1516	171	33	4235	2122	296	19	2839	1441	123	4792	2439	24	126
Sullivan	577	950	39	22	624	1139	59	22	379	508	33	679	1062	136	44
Susquehanna	3813	2459	515	47	4237	3042	656	10	3100	2049	432	4717	3394	221	472
Tioga	4882	1852	241	472	5219	2359	443	125	4717	1887	203	6714	2681	680	235
Union	1740	1015	112	43	2049	1406	179	.....	1499	1033	59	2260	1165	6	60
Venango	3166	2287	630	216	3574	3232	1128	120	2385	2325	455	3961	3432	687	438
Warren	2962	2070	691	24	3459	2414	835	32	2790	1864	373	3948	2691	467	422
Washington	6356	4954	613	55	6603	5973	633	41	5780	4891	439	6699	5849	410	383
Wayne	2148	2226	294	.....	2519	2692	549	.....	1900	1981	178	2829	2894	11	308
Westmoreland	7646	7392	364	90	7820	8369	507	32	6875	6414	366	8339	8346	557	307
Wyoming	1830	1834	101	.....	1810	1814	128	3	1262	1247	68	1960	2027	33	109
York	6299	8074	332	1	7595	10087	453	2	6758	9107	253	8014	11562	4	128
Totals	385514	340269	18471	8900	412485	369634	32422	4834	324694	281178	15047	473804	392785	17002	15737
Pluralities	45245				42851				43516			81019			

STATE AND TERRITORIAL GOVERNMENTS.

STATES AND TERRITORIES.	POPULATION. TOTAL, 50,155,789.	AREA IN SQUARE MILES.	CAPITALS.	GOVERNORS.	SALARIES.	LENGTH TERM. YEARS.	TERMS EXPIRE.	LEGISLATURES. NEXT SESSION BEGINS.	REPRESENTATIVES IN CONGRESS.	TIME OF ELECTION IN EACH STATE.
Alabama	1,262,505	50,722	Montgomery	*Thomas Seay*	$3000	2	Dec. 1888	*Nov. 1888	8	1st Monday, Aug. 1888
Alaska Territory		577,390	Sitka	*Alfred P. Swineford*	3000	4	Jan. 1890			
Arizona Ter.	40,440	113,916	Prescott	*C. Meyer Zulick*	2600	4	Jan. 1890	*Jan. 1889	1	Tuesday aft. 1st Mon. Nov. 1888
Arkansas	802,525	52,198	Little Rock	*Simon P. Hughes*	3000	2	Jan. 1889	*Jan. 1889	5	1st Monday, Sept. 1888
California	864,694	188,981	Sacramento	Robert W. Waterman	8000	4	Dec. 1891	Jan. 1888	6	Tuesday aft. 1st Mon. Sept. 1888
Colorado	194,327	104,500	Denver	William H. Meyer	3000	2	Jan. 1889	Jan. 1888	1	1st Tuesday, Nov. 1888
Connecticut	622,700	4,750	Hartford	Phineas C. Lounsbury	2000	2	Jan. 1889	Jan. 1888	4	Tuesday aft. 1st Mon. Nov. 1888
Dakota Territory	135,177	152,000	Bismarck		2500	4	July 1888	*Jan. 1889	1	Tuesday aft. 1st Mon. Nov. 1888
Delaware	146,608	2,120	Dover	*B. T. Biggs*	2000	4	Jan. 1891	*Jan. 1888	1	Tuesday aft. 1st Mon. Nov. 1888
Dist. of Columbia	177,624	60	Washington							
Florida	269,493	59,248	Tallahassee	*E. A. Perry*	3500	4	Jan. 1889	Jan. 1888	2	Tuesday aft. 1st Mon. Nov. 1888
Georgia	1,542,180	58,000	Atlanta	*John B. Gordon*	3000	2	Dec. 1888	Nov. 1888	10	1st Wednesday, Oct. 1888
Idaho Territory	32,610	90,932	Boise City	*Edward A. Stevenson*	2600	4	Jan. 1890	*Dec. 1888	1	Tuesday aft. 1st Mon. Nov. 1888
Illinois	3,077,871	55,410	Springfield	Richard J. Oglesby	6000	4	Jan. 1889	*Jan. 1889	20	Tuesday aft. 1st Mon. Nov. 1888
Indiana	1,978,301	33,809	Indianapolis	*Isaac P. Gray*	5000	4	Jan. 1889	*Jan. 1889	13	Tuesday aft. 1st Mon. Nov. 1888
Indian Territory		68,991	Tahlequah	D. W. Bushyhead, chief.	1000	4		Nov. 1888		
Iowa	1,624,615	55,045	Des Moines	William Larrabee	3000	2	Jan. 1890	*Jan. 1888	11	Tuesday aft. 1st Mon. Nov. 1888
Kansas	996,096	88,318	Topeka	John A. Martin	3000	2	Jan. 1889	*Jan. 1888	7	Tuesday aft. 1st Mon. Nov. 1888
Kentucky	1,648,690	37,680	Frankfort	*Simon B. Buckner*	5000	4	Sept. 1891	Dec. 1888	11	1st Monday, Aug. 1888
Louisiana	939,946	41,346	Baton Rouge	*Samuel D. McEnery*	4000	4	May, 1888	May, 1888	6	3d Monday, April, 1888
Maine	648,936	35,000	Augusta	Joseph R. Bodwell	2000	2	Jan. 1889	*Jan. 1889	4	2d Monday, Sept. 1888
Maryland	934,943	11,124	Annapolis	*Henry Lloyd*	4500	4	Jan. 1888	*Jan. 1889	6	Tuesday aft. 1st Mon. Nov. 1888
Massachusetts	1,783,085	7,800	Boston	Oliver Ames	4000	1	Jan. 1889	Jan. 1888	12	Tuesday aft. 1st Mon. Nov. 1888
Michigan	1,636,937	56,451	Lansing	Cyrus G. Luce	1000	2	Jan. 1889	*Jan. 1889	11	Tuesday aft. 1st Mon. Nov. 1888
Minnesota	780,773	83,531	St. Paul	A. R. McGill	3800	2	Jan. 1889	Jan. 1888	5	Tuesday aft. 1st Mon. Nov. 1888
Mississippi	1,131,597	47,156	Jackson	*Robert Lowry*	4000	4	Jan. 1888	*Jan. 1889	7	Tuesday aft. 1st Mon. Nov. 1888
Missouri	2,168,380	65,350	Jefferson City	*John S. Marmaduke*	5000	4	Jan. 1889	*Jan. 1889	14	Tuesday aft. 1st Mon. Nov. 1888
Montana Ter.	59,159	143,776	Helena	*Samuel T. Hauser*	2500	4	Jan. 1890	Jan. 1889	1	Tuesday aft. 1st Mon. Nov. 1888
Nebraska	452,402	75,995	Lincoln	John M. Thayer	2500	2	Jan. 1889	*Jan. 1889	3	Tuesday aft. 1st Mon. Nov. 1888
Nevada	62,266	81,539	Carson City	C. C. Stevenson	6000	4	Jan. 1891	Feb. 1889	1	Tuesday aft. 1st Mon. Nov. 1888
New Hampshire	346,991	9,280	Concord	Charles H. Sawyer	1000	2	Jun. 1889	*June, 1888	2	Tuesday aft. 1st Mon. Nov. 1888
New Jersey	1,131,116	8,320	Trenton	*Robert S. Green*	5000	3	Jan. 1890	Jan. 1889	7	Tuesday aft. 1st Mon. Nov. 1888
New Mexico Ter	119,565	121,201	Santa Fé	*Edward G. Ross*	2600	4	Jan. 1890	*Jan. 1889	1	Tuesday aft. 1st Mon. Nov. 1888
New York	5,082,871	47,000	Albany	*David B. Hill*	10000	3	Jan. 1889	Jan. 1888	34	Tuesday aft. 1st Mon. Nov. 1888
North Carolina	1,399,750	50,704	Raleigh	*Alfred M. Scales*	3000	4	Jan. 1889	Jan. 1888	9	Tuesday aft. 1st Mon. Nov. 1888
Ohio	3,198,062	39,964	Columbus	Joseph B. Foraker	4000	2	Jan. 1890	*Jan. 1888	21	Tuesday aft. 1st Mon. Nov. 1888
Oregon	174,768	95,274	Salem	Sylvester Pennoyer	1500	4	Sept. 1890	*Sept. 1888	1	1st Monday, June, 1888
Pennsylvania	4,282,891	46,000	Harrisburg	James A. Beaver	10000	4	Jan. 1891	*Jan. 1889	28	Tuesday aft. 1st Mon. Nov. 1888
Rhode Island	276,531	1,306	Newport and Prov.	*John W. Davis*	1000	1	May, 1887	June 1888	2	1st Wednesday, April, 1888
South Carolina	995,577	34,000	Columbia	*John P. Richardson*	3500	2	Nov. 1887	Nov. 1887	7	Tuesday aft. 1st Mon. Nov. 1888
Tennessee	1,542,359	45,000	Nashville	*R. L. Taylor*	4000	2	Jan. 1889	*Jan. 1889	10	Aug. 1888
Texas	1,591,849	274,356	Austin	*John Ireland*	4000	2	Jan. 1889	*Jan. 1889	11	Tuesday aft. 1st Mon. Nov. 1888
Utah Territory	143,963	88,056	Salt Lake City	*Caleb D. West*	2600	4	Apr. 1890	*Jan. 1888	1	1st Monday, Aug. 1888
Vermont	332,286	10,212	Montpelier	E. J. Ormsbee	1000	2	Oct. 1888	*Oct. 1888	2	1st Tuesday, Sept. 1888
Virginia	1,512,565	38,352	Richmond	*Fitzhugh Lee*	5000	4	Jan. 1890	Dec. 1888	10	Tuesday aft. 1st Mon. Nov. 1888
Washington Ter.	75,116	69,994	Olympia	Watson C. Squire	2600	4	July, 1888	*Oct. 1888	1	Tuesday aft. 1st Mon. Nov. 1888
West Virginia	618,457	23,000	Wheeling	*E. Willis Wilson*	2700	4	Mar. 1889	*Jan. 1889	4	2d Tuesday, Oct. 1888
Wisconsin	1,315,497	53,924	Madison	J. M. Rusk	5000	2	Jan. 1889	Jan. 1888	9	Tuesday aft. 1st Mon. Nov. 1888
Wyoming Ter.	20,789	85,000	Cheyenne	*Thomas Moonlight*	2600	4	Dec. 1890	*Jan. 1888	1	Tuesday aft. 1st Mon. Nov. 1888

* Legislatures elected biennially.

Philadelphia.

Philadelphia, in area, is the largest city in the world, having a little more than 129 square miles of territory, which is seven square miles greater than the city of London. It has a water-front of forty-one miles on the Delaware and Schuylkill rivers. It has 12,000 factories, giving employment to 240,000 persons. The number of its residences is fully 250,000, thus entitling it to its popular sobriquet, "the City of Homes." Philadelphia's manufacturing capital is about $375,000,000, and the annual product of manufactured goods $475,000,000.

In the city there are 19 daily newspapers, 102 weekly, 87 monthly and 12 quarterly. There are 45 colleges and institutions of learning, 21 medical colleges, 120 hospitals, dispensaries and asylums, 48 literary, scientific and art societies, 102 incorporated and society libraries, 650 building and loan associations, besides numerous beneficial and charitable associations. Forty banks with a combined capital of $30,000,000 represent its financial interests.

Almost all religious denominations are represented by congregations large or small in this city, and the headquarters of the business departments of five of them are located here. They are: The Presbyterian Board of Publication and its attendant boards and departments; the Baptist National Publication Society and the other boards of the Church; the Orthodox and Hicksite Friends; the Lutheran Publication Board, and the Publication Society of the Reformed Episcopal Church. Of places of public worship the Protestant Episcopal denomination leads with 117; and the Methodist Episcopal Church stands second with 107. The Presbyterian comes third with 96 and the Baptist fourth with 86. Of the other denominations the Roman Catholics have 56 places of public worship, the Lutherans 34 and the Friends 19.

RAILROAD DEPOTS.

BALTIMORE AND OHIO. (24th and Chestnut.) Baltimore and Ohio Railroad.

BERKS STREET DEPOT. (American and Berks.) Philadelphia and Reading Railroad; Bethlehem Branch; Lehigh Valley Railroad; Philadelphia and Northeastern.

BROAD STREET STATION. Baltimore and Potomac Railroad; Belvidere Railroad; Cumberland Valley Railroad; Delaware, Lackawanna and Western Railroad; Northern Central Railroad; Pennsylvania Central Railroad; Philadelphia, Wilmington and Baltimore Railroad; Shenandoah Valley Railroad; West Chester and Philadelphia Railroad; Wilmington and Northern Railroad; Virginia Midland Railroad.

CALLOWHILL STREET DEPOT. Philadelphia and Reading Railroad; Perkiomen Railroad.

FOOT OF MARKET STREET. Camden and Amboy Division Pennsylvania Railroad; West Jersey Railroad.

FOOT OF SOUTH STREET. Camden, Gloucester and Mt. Ephraim Railroad.

FOOT OF VINE STREET. Camden and Atlantic Railroad.

KENSINGTON DEPOT (Front and Berks). Pennsylvania Central Railroad.

NINTH AND GREEN STREETS. Philadelphia and Reading Railroad; Bound Brook Route; Erie and Lehigh Valley Route—Bethlehem Branch; Germantown and Norristown Branch; Germantown and Chestnut Hill Branch; Perkiomen Railroad; Wilmington and Northern Railroad.

PIER 8, SOUTH WHARVES (Delaware avenue, above Walnut street). Philadelphia and Atlantic City Railroad.

FERRIES.

GLOUCESTER FERRY, from South street every half hour. Last boat leaves Philadelphia at 5.30 P. M.; last boat leaves Gloucester at 6.00 P. M.

KAIGHN'S POINT FERRY, from South street. Last boat leaves Philadelphia at 12.15 A. M.; leaves Kaighn's Point at 12 night.

WEST JERSEY FERRY, from Market street to Market street, Camden. Boats run all night.

CAMDEN AND PHILADELPHIA FERRY, from Market street to Federal street, Camden. Boats run all night.

CAMDEN AND ATLANTIC RAILROAD FERRY, from Vine street to Wood street, Camden. Boats run all night.

SHACKAMAXON STREET FERRY, from Shackamaxon street to Cooper's Point.

PIER NUMBERS.—(Delaware River.)

NORTH OF MARKET ST. From—	SOUTH OF MARKET ST. From—
Market to Arch, 1, 2, 3, 4, 6.	Market to Chestnut, 1, 2, 3, 4.
Arch to Race, 7, 7½, 8, 8½, 9, 9½.	Chestnut to Walnut, 5, 7, 8, 9.
Race to Vine, 10, 11, 11½, 12, 13, 14, 15.	Walnut to Dock, 10, 11, 12, 13, 14.
Vine to Callowhill, 16, 17, 18, 19, 20.	Dock to Spruce, 15, 16.
Callowhill to Willow, 21, 22, 23¼, 24.	Spruce to Pine, 17, 18, 19, 20.
Willow to Noble, 25, 25½, 26, 27.	Pine to Lombard, 21, 22.
Noble to Green, 28, 29, 30, 31.	Lombard to South, 24, 25.
Green to Fairmount av. 31½, 32, 33, 34.	South to Bainbridge, 26, 27, 28, 29.
Fairmount av. to Poplar 35, 35½, 36, 37.	Bainbridge to Almond, 30, 31.
Poplar to Laurel, 37½, 38, 39, 40, 41, 42.	Almond to Catharine, 32, 33, 34, 35, 36, 37, 38.
Laurel to Shackamaxon 43, 44, 45, 45½, 46, 47.	Catharine to Queen, 39, 40.
Shackamaxon to Marlborough, 50, 51, 52.	Queen to Christian, 41, 42, 43, 44, 45.
Marlborough to Hanover, 53, 54, 55, 56, 57, 58.	Christian to Washington ave., 46, 47, 48.
Hanover to Palmer, 59, 60, 61.	Washington av. to Prime 49, 50, 51, 52.
Palmer to Montgomery ave., 62, 63, 64, 65.	Prime to Reed, 53, 54, 55, 56, 57, 58.
Montg'ry av. to Vienna, 66, 67.	Reed to Dickinson, 59, 60, 61.
Vienna to Otis, 68, 69, 70.	Dickinson to Tasker, 62, 63, 64.
Otis to Aramingo, 71, 72, 73.	Tasker to Morris, 65, 66, 67, 68, 69, 70.

POPULATION.

The following shows the steady growth of the city at each decade since 1790:

1790	28,522
1800	41,220
1810	53,722
1820	63,802
1830	80,462
1840	93,665
1850	121,376
1860	565,529
1870	674,022
1880	847,170
1888	1,004,913

This calculation is made for January 1, 1888. The ratio of increase during the decade from 1870 to 1880 was 26.61 per cent., and the population of 1,004,913 here given is based on the supposition, which is a very conservative estimate, that the increase since 1880 has been justly maintained. It is more than probable that it has increased. Of the total population in 1880, there were 405,975 males and 441,195 females. Native-born, 642,835; foreign-born, 204,335. White, 815,362; colored (including 78 Chinese, 1 Japanese and 30 Indians), 81,808.

DWELLINGS AND FAMILIES.

(CENSUS OF 1880.)

	Dwellings	Families.	Persons to a Dwelling.
Philadelphia	146,412	165,044	5.79
New Orleans	36,347	45,316	5.95
Baltimore	50,883	65,356	6.54
San Francisco	34,110	43,463	6.86
St. Louis	43,026	65,142	8.15
Chicago	61,069	96,992	8.24
Boston	43,944	72,763	8.26
Brooklyn	62,233	115,076	9.11
Cincinnati	28,017	52,025	9.11
New York	73,684	243,157	16.37

AROUND THE WORLD.

The following shows the distance around the world, starting and finishing at Philadelphia:

Philadelphia to San Francisco	3360	miles.
San Francisco to Yokohama	4764	"
Yokohama to Hong Kong	1630	"
Hong Hong to Singapore	1150	"
Singapore to Calcutta	1200	"
Calcutta to Bombay	1409	"
Bombay to Aden	1664	"
Aden to Suez	1208	"
Suez to Alexandria	250	"
Alexandria to Marseilles	1300	"
Marseilles to Paris	536	"
Paris to London	316	"
London to Liverpool	205	"
Liverpool to Philadelphia	3050	"

AIR-LINE DISTANCES.

The following are air-line distances from Philadelphia to eleven principal cities of the continent:

	Miles.
Montreal, Canada; N. 11° 23′ E.	393.4
New York, N. Y.; N. 45° 41′ E.	79.5
Liverpool, England; N. 48° 41′ E.	3393.2
Toronto, Canada; N. 39° 4′ W.	336.1
Buffalo, N. Y.; N. 42° 19′ W.	279.7
St. Paul, Minn.; N. 63° 27′ W.	975.4
Chicago, Ill.; N. 74° 16′ W.	665.2
Cincinnati, O.; S. 86° 17′ W.	502.0
New Orleans, La.; S. 58° 15′ W.	1047.5
Washington, D. C.; S. 53° 51′ W.	123.3
Havana, Cuba; S. 22° 9′ W.	1234.8

STREET-CAR ROUTES.

The following is the running direction of the city railway cars. On several lines transfer tickets to other branches are given, whilst others charge extra on same line, and further distance. Transfer or exchange tickets can be had to Fairmount Park from most of the lines running north or west, when not running direct to the Park. Those lines running direct to the Park are designated thus *.

CARS RUNNING NORTH.

*Front street, Chestnut to Vine, Thompson to Amber.
Howard, from Columbia avenue to Huntingdon.
Frankford avenue, Oxford to Frankford.
Third, Mifflin to Oxford.
Fifth, Jackson to Lehigh avenue.
*Seventh, Spring Garden to Susquehanna ave.
Germantown avenue to Germantown.
Eighth, Dickinson to Columbia avenue.
*Ninth, McKean to Spring Garden.
*Ridge avenue, Ninth to Manayunk.
Tenth, Diamond to Germantown avenue.
Eleventh, Reed to Susquehanna avenue.
Broad, Columbia avenue to Somerset.
Thirteenth, from McKean to Somerset.
Sixteenth, Carpenter to Susquehanna avenue.
Eighteenth, Sansom to Montgomery avenue.
Nineteenth, Carpenter to Norris.
*Twenty-first, Arch to Callowhill.
*Twenty-third, Spruce to Green.
*Thirty-third, from Spruce to Eadline.
*Thirty-fifth, from Spring to Zoological Garden.
*Thirty-eighth, from Spruce to Lancaster ave.
*Forty-first, from Market to Elm avenue.

CARS RUNNING SOUTH.

Front, from Callowhill to Chestnut and from Dock to Lombard.
Hancock, from Huntingdon to Susquehanna avenue.
Frankford ave., from Frankford to Jefferson st.
Fourth, from Germantown avenue to Dickinson.
Sixth, from Lehigh avenue to Jackson.
Seventh, from Race to Federal.
Franklin, from Susquehanna avenue to Race.
Ridge avenue, from Manayunk to Tenth.
Tenth, from Diamond to Mifflin.
Twelfth, Susquehanna avenue to Wharton, and from Mifflin to Snyder avenue.
Fifteenth, Norris to McKean.
Seventeenth, from Norris to Carpenter.
Eighteenth, from Filbert to Wharton.
Twentieth, from Montgomery avenue to Filbert.
Twenty-second, from Wallace to Filbert.
Thirty-fifth, from Zoological Garden to Powelton avenue.
Fortieth, from Elm avenue to Baltimore avenue.
Germantown, from Germantown avenue to Seventh.
Passyunk avenue, from South to Snyder avenue.

CARS RUNNING EAST.

*Dickinson, from Twelfth to Eighth.
Federal, from Seventh to Front.
Christian, from Twenty-third to Fifth.
Lombard, from Twenty-fifth to Front.
Spruce, from Thirty-sixth to Third.
Chestnut, from Forty-second to Front.
Market, from Sixty-fifth to Front.
Baring, from Forty-first to Twenty-third.
Filbert, from Twentieth to Seventh.
Arch, from Twentieth to Second.
Race, from Thirty-second to Second.
Callowhill, from Twenty-sixth to Front.
Spring Garden, Twenty-fifth to Seventh.
Green, from Twenty-fifth to Beach.
Wallace, from Twenty-third to Franklin.
Girard avenue, from Belmont avenue to Palmer.
Thompson, from Franklin to Front.
Jefferson, from Twenty-seventh to Franklin.

Columbia avenue, from Thirty-fifth to Howard.
Berks, from Fifth to Front.
Lehigh avenue, from Fifth to Kensington ave.

CARS RUNNING WEST.

Snyder avenue, from Twelfth to Broad.
Ellsworth, from Eighth to Twenty-third.
Wharton, from Twelfth to Seventeenth, and from Front to Ninth.
South, from Front to Twenty-seventh.
*Pine, from Second to Twenty-third.
Sansom, from Sixth to Eighteenth.
*Walnut, from Front to Twenty-second.
*Chestnut, from Twenty-second to Forty-first.
*Market, from Front to Sixty-fifth.
*Arch, from Second to Twenty-first.
*Vine, from Third to Twenty-third.
*Callowhill, from Front to Twenty-sixth.
*Spring Garden, from Ninth to Twenty-third.
*Fairmount avenue, from Delaware avenue to Twenty-fifth.
*Poplar, from Seventh to Twenty-ninth.
*Girard avenue, from Palmer to Belmont ave.
*Lancaster avenue, from Thirty-second to Fifty-second.
Richmond, from Bridge to Frankford avenue.
*Master, from Frankford avenue to Twenty-seventh.
*Columbia avenue, from Front to Thirty-fourth.
Berks, Front to Sixth.
*Spruce, from Thirtieth to Thirty-eighth.
Lehigh avenue, from Kensington ave. to Sixth.

WARD BOUNDARIES.

FIRST WARD. Beginning at Wharton street and river Delaware, along said river to and including League Island, to the Back Channel; along the Back Channel to Broad street, to Passyunk avenue, to Wharton, and to the place of beginning.

SECOND WARD. Between the river Delaware and Broad street north of Wharton to Passyunk avenue, to Ellsworth, to Broad, to south side of Christian.

THIRD WARD. Between the river Delaware and Broad street north of Christian, and south of German, Mead, and Fitzwater.

FOURTH WARD. Between the river Delaware and Broad street, and north of German, Mead, and Fitzwater, and south of South street.

FIFTH WARD. Between Seventh street and the river Delaware, and South and Chestnut streets, including Windmill Island.

SIXTH WARD. Between Seventh street and the river Delaware, and Chestnut and Vine.

SEVENTH WARD. Between Seventh street and the river Schuylkill, and South and Spruce.

EIGHTH WARD. Between Seventh street and the river Schuylkill, and Chestnut and Spruce.

NINTH WARD. Between Seventh street and the river Schuylkill, and Chestnut and Arch.

TENTH WARD. Between Seventh street and the river Schuylkill, and Arch and Vine.

ELEVENTH WARD. Between Third street and the river Delaware, and Vine and Poplar.

TWELFTH WARD. Between Sixth and Third, Vine and Poplar.

THIRTEENTH WARD. Between Sixth and Tenth, Vine and Poplar.

FOURTEENTH WARD. Between Tenth and Broad, Vine and Poplar.

FIFTEENTH WARD. Between Broad street and the river Schuylkill, and Vine and Poplar.

SIXTEENTH WARD. Beginning at Laurel street and the river Delaware; Laurel to Frankford road, to Girard avenue, to Sixth, to Poplar, to river Delaware, and to the place of beginning.

SEVENTEENTH WARD. Bounded on the north by Oxford, on the east by Frankford road, on the south by Girard avenue, and on the west by Sixth.

EIGHTEENTH WARD. Beginning at Laurel street and the Delaware river, Laurel to Frankford road, to Canal, to Lehigh avenue, to Norris, to the river Delaware, to place of beginning.

NINETEENTH WARD. Beginning at a line marking the intersection of Frankford road and Norris street, Frankford road to Oxford, to Sixth, to Germantown avenue, to Lehigh avenue, to Kensington avenue, to Front street, to Norris, to place of beginning.

TWENTIETH WARD. Beginning at Broad and Poplar, to Sixth street, to Susquehanna avenue, to Eleventh, to Montgomery avenue, to Broad, to Poplar.

TWENTY-FIRST WARD. That part within the present bounds of the borough of Manayunk and the township of Roxborough (the southern boundary thereof), shall be as follows: Beginning at School lane and the river Schuylkill; along N. S. of School lane to Township line; along S. S. of county line to river, to place of beginning.

TWENTY-SECOND WARD. Bounded on the northeast and northwest by county line road; southwest by township line road; south and southeast by Wingohocking creek and Tacony creek.

TWENTY-THIRD WARD. By Montgomery county line, river Delaware, Frankford and Tacony creeks.

TWENTY-FOURTH WARD. West of river Schuylkill and north of Market.

TWENTY-FIFTH WARD. Beginning on the Delaware river at a point where Lehigh avenue would intersect said river if continued in a right line; thence to the eastern termination of said Lehigh avenue, to Germantown avenue, to the line of the Twenty-second Ward, said line to Frankford creek, Frankford creek to the Delaware river, to the place of beginning.

TWENTY-SIXTH WARD. Beginning at S. W. cor. Broad and Washington avenue, W. S. Broad to Ellsworth, S. S. Ellsworth to Passyunk road, Passyunk road to Broad, Broad to river Schuylkill, river Schuylkill to Washington avenue, and to Broad.

TWENTY-SEVENTH WARD. West of river Schuylkill and south of Market.

TWENTY-EIGHTH WARD. Beginning at Schuylkill river and Montgomery avenue, to Eleventh, to Susquehanna avenue, to Germantown avenue, to line of Germantown township, to Wissahickon avenue, to School lane, to river, to Montgomery avenue.

TWENTY-NINTH WARD. Between Broad street and the river Schuylkill, and Poplar street and Montgomery avenue.

THIRTIETH WARD. Between South street and Washington avenue, and Broad street and the river Schuylkill.

THIRTY-FIRST WARD. Beginning at Front and Norris, Front to Kensington avenue, to Lehigh avenue, to Aramingo canal, to Norris, to Front.

ELECTIONS THIS YEAR.

In 1888 general elections will be held in Philadelphia as follows:

For City and Ward officers, on Tuesday, February 21. Last day for payment of taxes, Saturday, January 21; last day for naturalization, Saturday, January 21.

For State and County officers, on Tuesday, November 6th. There will be elected a Supreme Court Justice on the State ticket, one half of the State Senate and all the members of the lower House of the State Legislature; a City Treasurer, and a Register of Wills; the twenty-eight members of the Fifty-first Congress from Pennsylvania, and the Electors for President and Vice-President

of the United States. Last day for payment of taxes, Saturday, October 6; last day for naturalization, Saturday, October 6.

At least sixty days previous to the assembling of the national nominating conventions of the several political parties there will be political elections for convention delegates.

Following are the qualifications for voters:

Residence.—A voter must have resided in the State one year, and in the election district or division for at least two months, before the election. Where a citizen previously a resident has removed and returned, he must have resided in the State six months before the election.

Taxes.—No citizen can vote who is over twenty-two years old without having previously paid a State and County tax within two years, assessed at least two months before the election, and paid, at the latest, one month before the election.

Age.—Every male citizen between twenty-one and twenty-two years of age, having the proper qualifications of residence, native birth, or claiming the naturalization of his father during his minority, may vote without being assessed.

Naturalized citizens may vote if they have the qualifications of residence in the State and district and payment of taxes, and have been naturalized one month before the election.

Proof of Right to Vote.—If the name is not on the registry of voters, the person claiming must make affidavit of his claims and prove his right by at least one qualified voter of the district or division. Proof of payment of taxes is made by producing the tax receipt, or by affidavit that it has been lost, destroyed or never received. A naturalized citizen must produce his naturalization papers unless he has been for five consecutive years a voter in the district.

CITY ELEVATIONS.

The elevations in the city are generally given above city datum, which is 8.732 above the mean surface of the Atlantic at Raritan Bay. The following elevations are above city datum. Add 8.732 to get the elevation above the sea level.

Public buildings	41.0′
Times building, Eighth and Chestnut	25.28′
Independence Hall	26.64′
The Post Office	30.60′
Broad and Spring Garden	47.45′
Broad and Girard avenue	75.4′
Broad and Oxford	83.3′
Broad and Dauphin	77.6′
Broad and Walnut	41.3′
Broad and South	26.3′
Broad and Reed	20.5′
Broad and Wharton	22.0′
Market and Twenty-second	17.0′
Girard avenue and Twenty-ninth	93.0′
Girard College	about 95.0′
Front and Norris	22.0′
Foot of Market street	7.7′
Girard avenue and Fifth	26.84′
Chestnut and Twenty-second	24.7′
Chestnut and Thirty-third	41.7′
Chestnut and Thirty-ninth	93.5′
Baring and Thirty-sixth	97.6′
Memorial Hall	about 110′
Market and Sixty-third	82.3′

CITY STREET DIRECTORY.

NORTH.	SOUTH.
Market.	1 Market.
Filbert, Commerce, Church.	Jayne, Merchant, Minor.
100 Arch, Cherry.	100 Chestnut, Sansom,
200 Race, New, Branch.	Library, Dock.
300 Vine, Wood.	200 Walnut, Locust.
400 Callowhill, Willow, Noble, Margaretta.	300 Spruce, Union.
	400 Pine.
500 Buttonwood, Spring Garden.	500 Lombard, Gaskill, Rodman.
600 Green, Mt. Vernon, Wallace, Melon.	600 South.
	700 Bainbridge, Monro Fitzwater, German
700 Fairmount Avenue Olive.	800 Catharine, Queen.
800 Brown, Parrish, Ogden.	900 Christian, Marriot
	1000 Carpenter, Prime.
900 Poplar, Laurel.	1100 Washington, Ellsworth.
1000 Beaver, George. Shackamaxon.	1200 Federal, Marion.
1200 Girard Ave., Stiles.	1300 Wharton.
1300 Thompson, Seybert	1400 Reed.
1400 Master, Sharswood.	1500 Dickerson, Greenwich.
1500 Jefferson.	
1600 Oxford.	1600 Tasker, Sylvester.
1700 Columbia Avenue.	1700 Morris, Watkins.
1800 Montgomery Ave.	1800 Moore, Siegel.
1900 Berks.	1900 Mifflin.
2000 Norris, Otis.	2000 McKean.
2100 Diamond.	2100 Snyder.
2200 Susquehanna Ave.	2200 Jackson.
2300 Dauphin.	2300 Wolf.
2400 York.	2400 Ritner.
2500 Cumberland.	2500 Porter.
2600 Huntingdon.	2600 Shunk.
2700 Lehigh Avenue.	2700 Oregon Avenue.
2800 Somerset.	2800 Johnston.
2900 Cambria.	2900 Bigler.
3000 Indiana.	3000 Pollock.
3100 Clearfield.	3100 Packer.
3200 Allegheny.	3200 Curtin.
3300 Westmoreland.	3300 Geary.
3400 Ontario.	3400 Thirty-fourth Ave
3500 Tioga.	3500 Thirty-fifth Ave.
3600 Venango.	3600 Thirty-sixth Ave.
3700 Erie.	3700 Thirty-seventh A
3800 Butler.	3800 Thirty-eighth Ave
3900 Pike.	3900 Thirty-ninth Ave
4000 Luzerne.	4000 Fortieth Avenue.

PENNSYLVANIA'S COAL PRODUCT.

Pennsylvania produces annually more tons of coal than all the other States in the Union togethe
Its total anthracite and bituminous product during the last year reported (1886) was 61,884,791 tons, ar
the total number of persons employed in and about the mines was 155,408, and the most of these we
employed less than two-thirds time out of a possible 307 working days. The figures are from t
Bureau of Industrial Statistics of Pennsylvania:

Regions.	No. of mines in regions.	Average No. days worked.	Total No. of employes.	No. of fatal accidents.	No. of non-fatal accidents.	No. of tons of coal mined.	No. of tons of coal shipped.	No. of tons of coke produced.	Increase in production of coke over 1885.	No. of steam boilers in use.	No. of horses and mules in service.	No. of coke ovens.
Anthracite	364	194	103,045	279	848	34,777,618	32,814,644	.....	657,515	6,026	11,187	.....
Bituminous	596	158	52,364	74	305	27,107,173	17,398,205	5,206,820	3,565,030	608	3,611	15,1
Total	960	176	155,409	353	1,153	61,884,791	50,212,849	5,206,820	4,222,545	6,634	14,798	15,1

Government of Philadelphia.

COUNCILS.

Select Branch.

PRESIDENT—James R. Gates.
CLERK—Joseph H. Paist.....salary, $2,000
ASSISTANT CLERK—H. W. Robertson. " 1,600
SERG'T-AT-ARMS—Mort. L. Johnson. " 1,300
DOORKEEPER—Thomas H. Hamilton " 200
PAGE—Andrew Syres..... " 240

Ward.	Term expires.	Ward.	Term expires.
1	A. A. Ardis, Sr., *R.*..'89	17	D. W. Moffett, *D.*...'89
2	Matt. Clifton, *R.*....'88	18	I. D. Hetzell, *R.*....'90
3	Peter Monroe, *D.*....'90	19	Thos. J. Rose, *R.*....'89
4	Wm. McMullen, *D.*'88	20	T. M. Hammett, *R.*'90
5	James Kenton, *R.*...'90	21	A. E. Jones, *R.*.....'89
6	Thos. J. Ryan, *D.*...'88	22	Jas. R. Gates, *R.*....'90
7	S. F. Houseman, *R.*'90	23	Thomas Green, *R.*...89
8	T. M. Etting, *R.*.....'88	24	J. B. Dallas, *R.*.....'90
9	O. M. Willson, *R.*...'88	25	Geo. L. Horn, *R.*....'88
10	J. B. Van Dusen, *R.*'89	26	Ed. S. Stuart, *R.*....'89
11	Ed. Matthews, *D.*...'88	27	Ed. W. Patton, *R.*...'90
12	Frank Schanz, *R.*...'89	28	W. McMurray, *R.*...'88
13	J. H. Graham, *R.*...'88	29	J. E. Hanifen, *R.*....'90
14	Samuel Hart, *R.*.....'89	30	Wm. Thornton. *R.*'88
15	J. A. Freeman, *R.*...'88	31	John Ruhl, *R.*.....'88
16	G. W. Scherr, *D.*....'89		

Republicans, 25; Democrats, 6. Total, 31.

Common Branch.

PRESIDENT—Charles Lawrence.
CLERK—John Eckstein.....salary, $2,500
ASS'T CLERK—G. W. Kochersperger... " 1,600
SECOND ASS'T CLERK—Gayin Neilson " 1,300
SERG'T-AT-ARMS—Geo. W. Johnson... " 1,300
ASS'T SER'GT-AT-ARMS—W. H. Felton " 240
DOORKEEPER—H. A. Kammerer..... " 200
PAGE—Philip Steinmetz..... " 240

Ward.	Term expires.	Ward.	Term expires.
1	A. J. Maloney, *R.*...'89	15	A. C. Patterson, *R.*'89
	Peter Steubing, *D.*'89		D. C. Cleaver, *R.*...'88
	Chas. Lawrence, *R.*'88		T. M. Thompson, *R.*'88
	J. Fred. Loeble, *R.*'88		U. C. Smith, *R.*.....'88
	T. A. Atkins, *R.*.....'88	16	Ellis Ewell, *D.*.....'89
2	James P. Park, *R.*...'89		C. T. Hauger, *D.*....'88
	G. H. McCully, *D.*...'89	17	John Smith, *D.*.....'89
	C. F. Iseminger, *D.*'88		John H. Fow, *D.*....'88
3	Geo. W. Allen, *D.*...'89	18	John Kelly, *R.*.....'89
	Wm. Sweeny, *D.*.....'89		J. G. Fenemore, *D.*'89
4	S. W. Baizley, *D.*...'89		J. F. Trenchard, *R.*'88
	Rich'd Hazard, *D.*..'89		W. R. Claridge, Jr.,*R.*'88
5	Peter Woods, *D.*....'89	19	H. M. Martin, *R.*....'89
	J. R. Lloyd, *R.*.....'88		G. A. Weidner, *R.*...'89
6	Wm. Van Osten, *D.*'89		Thomas Firth, *R.*...'89
7	Robert L. Pyle, *R.*..'89		H. H. Wisler, *R.*.....'89
	And'w Kinkaid, *R.*'89		W. H. Middleton, *R.*'89
	Jacob Purnell, *R.*...'88		Louis Miller, *R.*.....'88
8	Wm. C. Scott, *R.*.....'89	20	A. A. Grace, *R.*.....'89
	W. Hartman, *R.*.....'88		C. K. Smith, *R.*.....'89
9	Chas. Roberts, *R.*...'88		And'w Zane, Jr., *R.*'89
10	Geo. H. Bearer, *R.*'88		J. J. McGirr, *R.*.....'88
	Harold Maun, *R.*....'88		Geo. W. Boyer, *R.*...'88
	J. R. Claghorn, *R.*...'68	21	Isaac Wilde, *D.*.....'89
11	Jos. C. Springer, *D.*'88		H. A. Firth, *R.*.....'89
12	Alex. Reinstine, *D.*'89	22	G. B. Edwards, *R.*..'89
13	George Grim, *R.*.....'89		Thos. Meehan, *R.*...'89
	N. A. Williams, *R.*...'88		George E. Ford. *R.*'88
14	Wm. H. Millick, *R.*'89		W. C. Mackie, *R.*....'88
	F. T. Williams, *R.*...'88	23	C. E. Webster, *R.*....'89
15	Jos. A. Abrams, *R.*..'89		Jos. H. Brown, *R.*...'88
	Ernest H. Davis, *R.*'89		J. B. Welsh, *R.*.....'88

Ward.	Term Expires.	Ward.	Term Expires.
24	C. R. Williams, *R.*...'89	28	Eli S. Beary, *R.*.....'89
	Daniel T. Jenks, *R.*'88		W. F. Albrecht, *R.*'89
	Thos. L. Hicks, *R.*.'88		J. D. Heins, *R.*.....'89
	J. W. Pierson, *R.*...'88		J. D. Yarrow, *R.*.....'89
	J. Dallas Hall, *R.*...'88		John Bardsley, *R.*...'89
	C. H. Newell, *R.*.....'88		W. H. James, *R.*.....'88
25	T. Wagner, Jr., *R.*..'89	29	E. P. Smithers, *R.*..'89
	C. Hammell, *R.*.....'89		Herman Uth, *R.*....'89
	Geo. H. Buck, *R.*.....'89		G. L. Pfautz, *R.*.....'89
	John W. Bain, *R.*...'88		John O. Taxis, *R.*...'88
	E. J. Mathews, *R.*...'88		J. L. Baldwin, *R.*....'88
26	D. Thompson, *R.*.....'89	30	Samuel Stewart, *R.*'89
	R. E. Henderson, *R.*'89		Wm. McCouch, *R.*...'89
	James Bawn, *R.*.....'89		James Morrow, *R.*...'88
	S. A. Fleming, *R.*...'88	31	R. S. Leithead, *R.*..'89
	E. A. Anderson, *R.*'88		W. D. Upperman, *R.*'88
27	Sam'l Crothers, *R.*.'89		Samuel Goodin, *R.*'88
	W. M. Smith, *R.*....'89		

Republicans, 83; Democrats, 16. Total, 99.

MAYOR'S OFFICE.

Corner Fifth and Chestnut Streets.

Mayor, EDWIN H. FITLER, *R.*.....salary, $12,000.00
(Term expires April, 1891.)
Secretary, Lewis E. Beitler.....salary, 1,800.00
Contract Clerk, James R. Calhoun, " 1,500.00
Messenger, George Tucker..... " 720.00
Secretary Civil Service Board, James W. Latta 2,000.00

DEPARTMENT OF PUBLIC SAFETY.

Director, WILLIAM S. STOKLEY...salary, $7,500.00
Secretary, Joseph F. Marcer..... " 1,400.00
Messenger, Daniel B. Mickle..... " 821.25

BUREAU OF POLICE.

Superintendent, John Lamon.....salary, $3,000.00
Chief Clerk, William Culberson..... " 1,600.00
Assistant Clerks, Hiram Horter, Jr., " 1,100.00
J. McKay..... " 1,100.00
Clerk to Superintendent, Charles F. Thacher.....salary, 900.00
Assistant Clerk to Superintendent, Jas. S. Linton.....salary, 900.00
Police Clerk, John Moffett..... " 1,080.00
Fire Marshal, James S. Thompson, " 1,800.00
Captains of Police, 1st Div., Thos. Brown; 2d Div., Charles B. Edgar; 3d Div., Harry M. Quirk; 4th Div., Joseph M. Schooley; salaries, $1500 each..... 6,000.00
Chief of Detectives, Charles W. Wood, salary 1,200.00
Seven Detectives, salaries, $1130 each..... 7,910.00
Twenty-eight Lieutenants, salaries, $1167.50 each..... 32,690.00
Sixty-one Sergeants, salaries, $1078.28 each 65,775.08
Seventy House Sergeants, salaries, $950 each..... 66,500.00
Twelve hundred and seventy Patrolmen, including twenty-six Turnkeys, $2.38 per day each, and $40 clothing allowance
Four Matrons, $600 each..... 2,400.00

Superintendent of Patrol and Van Service, William H. Johnson.....salary, $1,200.00
Fourteen Sergeants, $950 each..... 13,300.00
Fourteen Drivers, $2.38 per day each, and $40 clothing allowance; fourteen Officers, $2.38 per day each, and $40 clothing allowance.

Harbor Police.

Four Pilots, $960 each; four Engineers, $960 each; four Firemen, $750 each..... 10,680.00

POLICE STATIONS.

Dist.
1. Fitzwater, below Twentieth. Lieutenant, William Warnock.
2. Second, above Christian. Lieutenant, Lewis Gillingham.
3. Union, above Third. Lieut., John Mitchell.
4. Fifth, above Race. Lieutenant, W. H. Shields.
5. Fifteenth, above Locust. Lieut., E. L. Usilton.
6. Eleventh, above Race. Lieutenant, George C. Wilkins.
7. St. John, above Buttonwood. Lieutenant, Jacob Allbright.
8. Buttonwood, above Tenth. Lieutenant, George W. Smith.
9. Twenty-third and Brown. Lieutenant, Joseph P. Green.
10. Front, above Master. Lieutenant, Charles E. Beale.
11. Girard avenue, near Otis. Lieutenant, George Wood.
12. Tenth and Thompson. Lieut., N. S. Kimble.
13. Manayunk. Lieutenant, A. C. Allison.
14. Rear of Germantown Hall, Germantown. Lieutenant, Alexander Buchanan.
15. Paul, Frankford. Lieut., William L. Dungan.
16. Thirty-ninth and Lancaster avenue. Lieutenant, Ezekiel M. Bailey.
17. Taylor, below Passyunk avenue. Lieutenant, Geo. W. Thompson.
18. Trenton avenue, below Dauphin. Lieutenant, William B. Scott.
19. Lombard, below Eighth. Lieut., Alex. Skilton.
20. Filbert, above Fifteenth. Lieutenant, William C. Wolf.
21. Darby Road and Thirty-seventh. Lieutenant, Geo. Blankley.
22. Lehigh avenue, below Broad. Lieut., Harry Wolf.
23. Jefferson, above Twentieth. Lieutenant, Edward M. Lyons.
24. Belgrade and Clearfield. Sergeant, Samuel Clase.
25. Moyamensing avenue, below Dickinson street. Lieutenant, John B. Patterson.

DELAWARE HARBOR. Delaware avenue, below Chestnut. Lieutenant, Geo. Moore.
SCHUYLKILL HARBOR, Fairmount Water-Works. Lieutenant, William H. Francis.
RESERVE CORPS, Fifth and Chestnut. Lieutenant, Walter Brode, Jr.

POLICE MAGISTRATES.

Dist.
1. John F. Pole, 1411 Passyunk avenue.
2. James S. Brown, 1421 South.
3. W. Eisenbrown, Passyunk ave. and Christian.
4. William D. Lelar, 602 South Fifth.
5. Richard J. Lennon, 121 South Seventh.
6. Israel W. Durham, 42 South Sixth.
7. William H. List, 323 South Eighth.
8. R. R. Smith, 713 Sansom.
9. Samuel L. Clement, 21 North Juniper.
10. Ebenezer Cobb, 118 North Seventh.
11. A. H. Ladner, 305 Vine.
12. J. T. Thompson, 520 North Eighth.
13. Robert Baird, 1510 Fairmount avenue.
14. William B. Ahern, 959 North Third.
15. Richard C. Lloyd, 214 East Girard avenue.
16. Robert Gillespie, 2203 North Second.
17. John O'Brien, Frankford Road and Otis.
18. B. O. Severn, 1012 Columbia avenue.
19. Joseph S. Riley, 1242 North Nineteenth.
20. James F. Neall, 2526 North Tenth.
21. Thomas W. South, 4304 Main, Frankford.
22. Alex. J. Diamond, 4 Chelten ave., Germantown.
23. Thomas H. Clarke, 4091 Lancaster avenue.
24. Thomas Randall, 3140 Chestnut.
25. Charles Fulmer, 413 Reed.
26. John Slevin, 1219 South Eighteenth.
27. Horatio B. Hackett, Frankford Road and Clearfield.
28. Johnson Roney, 4334 Cresson, Manayunk.

BUREAU OF FIRE.

Office, Race Street, below Broad.

Chief Engineer, John R. Cantlin...salary, $3,000.00
Assistant Engineers, J. T. Hammond, James C. Baxter, John Smith, William F. Mooney, William Stagart, John Humphreys, Ambrose Pullinger, Samuel Dunlap, Henry Hollingsworth, salaries, $1500 each..... 12,000.00
Secretary, William C. Zane.....salary, 1,200.00
Storehouse Clerk, William Hayes, " 800.00
Messenger, Henry Boardman..... " 700.00
The Fire Department consists of thirty-four steam engines, two chemical engines, and seven trucks, operated by:
Forty-one Foremen, salaries, $1100 each, 45,100.00
Thirty-four Enginemen, salaries, $1000 each..... 34,000.00
Thirty-four Firemen, salaries, $868.70 each 29,535.80
Forty-one Drivers..... " $868.70 " 35,616.70
Seven Tillermen..... " $800.00 " 5,600.00
Three hundred and forty-two Hose and Laddermen, salaries, $868.70 each.

BUREAU OF BOILER INSPECTION.

City Hall, Second Floor, North Wing, East Side.

Chief, John Overn.....salary, $2,250
Assistants, James L. Dewees, L. A. Madden, William Hodges, Charles Deininger, William S. Boyd, salaries, $1200 each..... 6,00
Clerk, Frank W. Getz.....salary, 1,20
Messenger, Joseph A. Lybrand..... " 70

BUREAU OF BUILDING INSPECTION.

709 *Sansom Street.*

At the expiration of the respective terms of the Inspectors the Director of Public Safety appoints their successors.
Inspectors, James Zimmerman, Joseph M. Hancock (terms expire May, 1888), Robert N. Bowers (term expires May, 1889), salaries, $2000 each..... $6,00
Secretary, William H. Butler.

ELECTRICAL BUREAU.

Fifth and Chestnut Streets, and Third Floor, City Hal

Chief, David R. Walker.....salary, $3,50
Term expires January 20, 1890. At expiration of term successor appointed by Director of Public Safety.
Manager, John C. Sayer.....salary, 1,50
Clerk, John S. Wetter..... " 1,20
Inspectors, Robert Gillan, Edward Burke, Charles W. Hewlett, salaries, $1000 each..... 3,00
Operators, William H. Carpenter, William M. Stuard, William H. Uber, Fred. W. Young, Jr., Joseph E. Weiss, William McCain, Charles V. Leitch, Alexander G. McCallum, Charles Henry, John B. Lord, Frank P. Stemler, Samuel J. Ottinger, salaries, $950 each..... 11,40
Foreman, John Mohler.....salary, 90

BUREAU OF HEALTH.

Southwest Corner Sixth and Sansom Streets.

MEMBERS OF BOARD—H. G. Sickel, T. L. Vanderslice, A. H. Dingee, M. A. Davis (terms expire July, 1888), Horn R. Kneass, Dr. W. H. Ford, A. A. Hirst (terms expire July, 1889).

Present members serve until expiration of their term; but when their number is reduced below five, then Mayor appoints. There shall always be five members. The Director of Public Safety is *ex-officio* President of the Bureau.

Medical Inspector, J. Howard Taylor,	salary,	$1,900
Chief Clerk, William P. Troth	"	1,800
Three Assistants, salaries, $1100 each		3,300
Disinfector, Chas. Kennedy	salary,	1,100
Messenger, David Brown	"	500
Chief Inspector, Sylvester H. Martin,	salary,	1,100
Eight Nuisance Inspectors, salaries, $900 each		7,200
Chief Inspector of House Drainage, George S. Hughes	salary,	1,400
Six Inspectors, salaries, $1000 each		6,000
Registrar, J. V. P. Turner	salary,	1,500
Five Assistants, salaries, $900 each		4,500
Physician, Municipal Hospital, Wm. M. Welch	salary,	2,000
Steward, James Paul	"	640
Matron, Sarah Paul	"	360
Steward, Lazaretto, Robert Carns	"	1,080

Executive Officers.

Health Officer, Joseph G. Patterson	salary,	$2,100
Lazaretto Physician, H. B. Brusstar	"	2,500
Port Physician, William H. Randle	"	1,200
Quarantine Master, Robt. M. Newhard	"	2,000

Vaccine Physicians.

W. S. M. Field, 1006 South Third street.
J. T. Williams, 1000 South Nineteenth street.
William M. Angney, 519 Spruce street.
R. P. Robins, 2024 Locust street.
A. H. Davis, 126 North Tenth street.
P. N. K. Schwenk, 606 Marshall street.
Marie K. Formad, 801 North Fifteenth street.
S. N. Troth, 1200 North Seventh street.
Rebecca Fleischer, 1536 Fairmount avenue.
J. L. Kihl, 2009 Frankford avenue.
S. T. Neuber, 2500 Emerald street.
Thos. H. Price, 210 Bridge street, Bridesburg.
G. L. Thomas, 2830 Frankford avenue.
James Sibbold, Terrace street, below Hermit, Manayunk.
W. C. Barrett, 3909 Baring street.
W. N. Johnson, 5324 Main street, Germantown.
S. Lewis Summers, 2910 Richmond street.
Mary E. Hennessy, 1435 Montgomery avenue.

DEPARTMENT OF PUBLIC WORKS.

Director, LOUIS WAGNER	salary,	$7,500
Chief Clerk, Harry W. Quick	"	1,500
Stenographer and Type-writer, E. H. Dietrick	salary,	900
Messenger, James W. Junior	"	720

BUREAU OF CITY PROPERTY.

City Hall, First Floor, South Wing, East Side.

Commissioner, William Dixey	salary,	$3,900
Term expires February, 1889. Successor appointed by Director of Public Works.		
Chief Clerk	salary,	1,500
Clerk and Messenger, D. Oram Young	"	900
Superintendent, Independence Hall	"	720
Assistant Superintendent, Independence Hall	salary,	$105
Fireman, Independence Hall	"	405
Special Officer, Independence Hall	"	800
Janitor Jury Rooms	"	675
Eight Superintendents City Squares, salaries, $700 each		5,600
Superintendent Fair Hill Square	salary,	300
Superintendent Shackamaxon Square,	"	300
Superintendent City Morgue	"	720
Superintendent City Burial Ground,	"	450

BUREAU OF CITY ICE-BOATS.

115 *Walnut Street.*

Superintendent, H. E. Melville	salary,	$1,650
Clerk, A. H. Walters	"	1,000

BUREAU OF GAS.

Chief, William H. Park	salary,	$5,500
Storekeeper, A. J. McCleary	"	3,000
Superintendent of Distribution, Joseph P. Boon	salary,	2,500
Paymaster and Engineer's Clerk, Charles S. Dungan	salary,	2,000

Officers at Seventh Street Office.

Bookkeeper and Controller, Thos. L. George, salary		2,200
Chief Clerk, William H. Leeds	salary,	2,000
Chief Meter Inspector, Jacob Lang	"	1,800
Superintendents:		
Spring Garden Office, Geo. W. Karnsner,	"	900
Germantown Office, Geo. W. Karnsner,	"	1,200
Frankford Office, J. Brooke	"	960
Foremen at Works:		
Point Breeze, John Roberts	"	1,800
Market Street, John Beckenbach	"	1,800
Twenty-fifth Ward, John Fox	"	1,800
Twenty-first Ward, A. C. Matthews	"	1,500

BUREAU OF HIGHWAYS.

City Hall, Second Floor, South Wing, East Side.

Chief, Joseph McDonald	salary,	$4,500
Term expires January, 1889. Successor appointed by Director of Public Works.		
Assistants to Chief, Daniel Ahern, Thomas Gilligan, H. B. Bruner, Walter D. Stone, John Martin, Geo. W. Fox, salaries, $1800 each		10,800
Superintendent of Bridges, Wm. H. Bines, salary		1,800
Chief Clerk, M. M. Coppuck	salary,	2,000
License Clerk, R. D. Westphal	"	1,170
Asst. License Clerk, Frank E. Smith,	"	900
Miscellaneous Clerk, James C. Stokes,	"	900
Assistant to Chief Clerk, A. M. Neill,	"	900
Assistant Clerks, Isaac R. Martindell, Edwin McCoy, salaries, $900 each		1,800
Messenger, Joshua S. Williams	salary,	720
Street Superintendents, A. F. Stull, H. A. Markley, Thos. R. Firth, W. H. Berkelbach, William Clark, Robert C. Hicks, salaries, $900 each		5,400
Inspectors, Samuel J. Shannon, John L. Flood, Thos. H. Wilson, Fred. T. Bucktus, Thos. Ashton, John E. Manship, William Terry, Matt. Patton, Jr., Charles B. Quigley, John Virden, Jamison Lott, Jesse C. Henzey, salaries, $75 per month.		
Inspector of Repairs to Sewers, John D. Hevener	salary,	1,200

Board of Highway Supervisors.

Louis Wagner, President; Jos. McDonald, Samuel L. Smedley, John L. Ogden, David R. Walker, William K. Park, William Dixey; Clerk, M. M. Coppuck.

BUREAU OF SURVEYS.

City Hall, Second Floor, North Wing, East Side.

Chief, Samuel L. Smedley.....salary, $4,000
Term expires March, 1892. Successor appointed by Director of Public Works.
Principal Assistant Engineer, J. Milton Titlow.....salary, 2,000
Assistant Engineer, J. Kay Little..... " 1,800
Recording Clerk, Edw'd H. Thompson, " 1,500
Draughtsmen, George S. Connor, $1500; Carl A. Trik, $1100; Otto Reizler, $1000..... 3,600
Sewer Register, William Calvert, $1500; Sewer Clerk, Wm. J. McPhail, $950; Stenographer and Type-writer, Joseph R. Scott, $750; Messenger, Isaac Holland, $600; Rodman, Hugh Trik, $540..... 4,340

Registration Bureau.

Registrar, John W. Frazier.....salary, 1,500
Clerks and Draughtsmen, George E. Datesmen, $1000; William H. Wester, George H. Mercer, Francis Lightfoot, Isaac E. Shallcross, O. S. Stallman, J. G. D. Craig, James H. Roberts, William K. Carlile, S. C. Smith, $950 each..... 9,550

Board of Surveys.

Meets at the Bureau of Surveys, on first and third Mondays, at two o'clock P. M.

First District, Second, Third, Fourth, Thirtieth and Twenty-sixth wards, west of Broad street, Thomas Daly, 1137 South Eleventh street.
Second District, First ward and Twenty-sixth ward, east of Broad street. C. W. Close, S. E. corner Fifth and Wharton streets.
Third District, Fifth, Sixth, Seventh, Eighth, Ninth and Tenth wards, William C. Cranmer, 719 Sansom street.
Fourth District, Thirteenth, Fourteenth and Fifteenth wards, E. D. Roberts, 1104 Spring Garden street.
Fifth District, Eleventh, Twelfth, Sixteenth and Seventeenth wards, A. French, 847 North Fifth street.
Sixth District, Eighteenth, Nineteenth and Thirty-first wards and part of the Twenty-fifth, Joseph Mercer, 1845 Frankford avenue.
Seventh District, Twentieth and Twenty-ninth wards, W. Albertson, 1200 Girard avenue.
Eighth District, Twenty-first ward, C. A. Sundstrom, 4447 Main street, Manayunk.
Ninth District, Twenty-second ward, Walter Jones, Old Depot Building, Germantown.
Tenth District, Twenty-third, and part of the Twenty-fifth ward, George S. Webster, 4626 Frankford avenue.
Eleventh District, Twenty-fourth ward, Joseph Johnson, 4039 Lancaster avenue.
Twelfth District, Twenty-seventh ward, W. H. Jones, N. W. corner Fortieth and Sansom streets.
Thirteenth District, Twenty-eighth ward, J. Hiberd, 1957 Camac street.

BUREAU OF WATER.

Thirteenth and Spring Garden Streets.

Chief, John L. Ogden.....salary, $7,000
Term expires March, 1889. Successor appointed by Director of Public Works.
Superintendent of Works, Frank L. Hand, salary..... 3,500
Assistant Engineers, Allen J. Fuller, $2000; William Whitby, $1200..... 3,200
Draughtsmen, John E. Codman, $1800; A. Marichal, $1200; James G. Davis, $1000..... 4,000
Chief Clerk, J. T. Hickman.....salary, 2,000
Assistant Clerks, James G. Dixon, $1080; Kennedy McNeal, $900..... 1,980
Correspondence Clerk, Pauline De Haven, salary..... $900
General Superintendent's Clerk, John A. Hayes.....salary, 900
Assistant to General Superintendent, John B. Wright.....salary, 850
Search Clerk, Thomas Spence..... " 1,100
Asst. Search Clerk, Wm. H. Shriver, " 900
Assistant Clerk, William J. Duffy, $850; Time Clerk, William J. Innes, $900; Messenger, Haines Lewis, $600; Pipe Inspector, Theo. S. S. Baker, $1200; Telephone Operators, Mattie Whittingham and Fannie Shields, $360 each, Calvin Cramer, $480; Messenger, Thos. J. Lister, $800..... 5,550
Superintendent Repair Shop, William F. Courtney.....salary. 1,500
Superintendent's Clerk, William H. Winter, salary..... 850
Purveyors, First District, J. H. Holmes, Wharton street, above Eleventh; Second District, David A. Craig, 918 Cherry street; Third District, Charles J. Lowry, 1420 Frankford avenue; Fourth District, J. Montgomery, Twenty-sixth and Master streets; Fifth District, H. Dawson, Roxborough; Sixth District, D. B. Morrell, Germantown; salaries, $1480 each, except Mr. Montgomery, $1600..... 9,000
Six Purveyors' Clerks, salaries, $720 each..... 4,320
Seven General Foremen, salaries, $939 each, 6,573
Four Repair Foremen, salaries, $780 each..... 3,120

Engineers at Pumping Stations:

Fairmount, William Cubbler, John Brunson, salaries, $950 each..... 1,900
Spring Garden, David Pyke, A. H. Gideon, Abram Stott, John L. McGinnes, salaries, $1000 each..... 4,000
Belmont, William Kiner, Thomas Seddon, salaries, $950 each..... 1,900
Roxborough, Joshua Bartley, Archibald Weir, salaries, $810 each..... 1,620
Mt. Airy, Lewis Culp, William Fletcher, salaries, $810 each..... 1,620
Chestnut Hill, James McClenahan...salary, 750
Frankford, Charles Douglass..... " 1,000
Foreman, Bricklayer, Frank A. Mooney, $950; Carpenter, Henry Guest, $900; Painter, Charles Ravenor, $900; Stonemason, Crawford Lukens, $900; Rigger, James Forrest, $900; Laborer, Matthew Richmond, $780; General Storek'p'r, Sam. Buchanan, $800... 6,130

DEPARTMENT OF CHARITIES AND CORRECTION.

Office, Harmony and Hudson Streets.

Directors, James W. White, President; Richard A. Cleeman, Robert Laughlin, Richard C. McMurtrie, James Stewart, Treasurer.

BUREAU OF CHARITIES.

Office, 42 North Seventh Street.

Secretary, Robert C. Floyd.....salary, $1,800
Out-Door Agent, A. D. W. Caldwell.... " 1,350

Officers at Almshouse.

Superintendent, George Roney.....salary, 2,700
Chief Resident Physician, George M. Wells, salary..... 1,500
Storekeeper, A. F. Randolph.....salary, 1,400
House Agent, Oliver P. Bohler..... " 1,350
Sup't of Manufactures, Z. T. Rickards, " 1,200
Chief Apothecary, Jos. W. England, " 1,080

BUREAU OF CORRECTION.

Office, Harmony and Hudson Streets.

Secretary, Edwin Palmer.....salary, $1,500
Messenger, Edmund Dunn..... " 700

Officers at House of Correction.

General Superintendent, Edwin A. Merrick.....salary, 2,500
Master Warden, Robert McBride..... " 1,500
Captain of Guard, Samuel I. Givin... " 900
Visiting Physician, H. A. P. Neel..... " 900
Resident Physician, Geo. Robinson, " 900
Bookkeeper, Samuel A. Kilpatrick... " 900
Chief Engineer, Charles J. Smith..... " 900
Lieutenant of Guards, Jos. P. Gillen, " 750
Matron, Susan H. Swayne..... " 675

DEPARTMENT OF TAXES.

Office, City Hall, North Side, First Floor.

Receiver of Taxes, Henry Clay, *R.*...salary, $10,000
(Term expires April, 1890.)
Chief Clerk, J. Dallas Hall.....salary, 2,000
Asst. Chief Clerk, Andrew P. Chism, " 1,200
Cashier, William S. Hergesheimer... " 2,500
Deputy Receiver, Walter L. Ward... " 2,000
Discount Clerk, James F. Needham, " 1,500
Judicial Sales Clerk, George Taylor Smith, salary..... 1,200
Chief Search Clerk, Wm. M. Neisser...salary, 1,200
Auditor, Millard B. Wimer..... " 1,000
Registering Clerks, Wm. Wattson, John L. Bowers, C. Harry Fletcher, John W. Thompson, salaries, $1200 each..... 4,000
Bill Clerks, Andrew D. Levering, George Richards, George De Haven, Wm. S. Hoffner, John H. Medlam, Jr., Stephen B. Gipson, Charles L. Walton, John J. Maxwell, salaries, $1000 each..... 8,000
Assistant Search Clerks, Samuel Caldwell, Wilbur F. Preston, Frank J. R. Jones, Wm. F. Paddock, salaries, $1000 each..... 4,000
Messenger, Wm. H. Buck, $1000; Watchman, E. D. Marshall, $600; Janitor, Levi Oberton, $800..... 2,200
Receiver of Taxes, Twenty-third ward, S. Floyd Fleming; Assistants, Edw'd Borie, Wm. Neville.

DELINQUENT DEPARTMENT.

Chief Deputy, William P. Stilz.....salary, $2,000
Cashier, George L. Harvey..... " 1,800
Clerk, Theo. James..... " 1,500
Assistant Lien Clerk, Geo. A. Kline, " 1,000
Registering Clerk, Jas. W. Hanshaw, " 1,200
Vocality Clerk, James A. Garvin..... " 1,200
Bill Clerk, Charles Alexander..... " 1,200
Deputy Collectors, salaries, $1200 each..... 42,000
First ward, Thomas F. Close, James Gillingham, 829 Washington avenue, 9 A. M. to 3 P. M.
Second, Third and Fourth wards, Mathias Clifton, James Kenton, 829 Washington avenue, 9 A. M. to 3 P. M.
Fifth and Sixth wards, Fred. M. Wanger, 11 South Third street, 9 to 12 A. M.
Seventh, Eighth, Ninth and Tenth wards, Oscar L. Willson, Wm. A. Miller, John H. Fulmer.
Seventh and Sixteenth wards, Lewis R. Miller, 906 North Sixth street, 11 A. M. to 2 P. M.
Twelfth and Thirteenth wards, David T. Smith, 1225 North Tenth street, 8 to 12 A. M.
Fourteenth and Fifteenth wards, Edwin Montgomery, Samuel K. Pearce, 344 North Twenty-third street, 9 to 12 A. M., 4 to 7 P. M.
Seventeenth and Eighteenth wards, Robert Graham, Samuel Nittinger, 1226 North Fifth street, 9 A. M. to 3 P. M.
Nineteenth and Thirty-first wards, Adam Allbright, Walter S. Heins, 2212 Howard street, 9 A. M. to 3 P. M.
Twentieth ward, Wm. H. Shuman, 1439 Franklin street, 8 to 11 A. M.
Twenty-first ward, Robert Aspinall, 113 Green Lane, Manayunk, 9 to 12 A. M.
Twenty-second ward, James P. Henderson, Geo. W. Selser, Main street and Chelten avenue, Germantown, 9 A. M. to 3 P. M.
Twenty-third ward, Joshua B. Welsh, Andrew Keiser, 4412 Frankford avenue, 9 A. M. to 3 P. M.
Twenty-fourth ward, Wm. H. Jaggers, Morris M. Fryer, 3933½ Lancaster avenue, 9 A. M. to 3 P. M.
Twenty-fifth ward, W. Johnston Donohugh, Thos. H. Boardman, 2448 Frankford avenue, 9 A. M. to 3 P. M.
Twenty-sixth ward, Joseph Seddinger, Paul F. Dolan, Nineteenth and Wharton streets, 9 A. M. to 3 P. M.
Twenty-seventh ward, George W. Freas, Frank D. Bingham, 40 South Thirty-third street, 9 A. M. to 3 P. M.
Twenty-eighth and Twenty-ninth wards, John Ertel, Edmund B. Cotterell, Jacob D. Fry, 1523 North Twenty-first street, 9 A. M. to 3 P. M.
Thirtieth ward, James McConnell, Charles Garman, 1713 Bainbridge street, 10 A. M. to 1 P. M.

Gas Collections.

Seventh Street Office, Cashier, Samuel M. White, $2500; Chief Clerk, William J. Roney, $2000; seven Receiving Clerks, $1064.76 each; Messenger, $858; two Ushers, $726 each; Watchman, $2.20 per day.
Thirteenth and Spring Garden Streets Office, Chief Clerk, M. H. Ettinger, $1099.92; three Receiving Clerks, $1064.76 each; Usher, $792; Watchman, $2.20 per day.
Frankford Office, David Faunce.....salary, $963.60
Germantown Office, Wm. P. Harmer, " 1,064.00
Manayunk Office, Thos. Poleman... " 931.68
Coke Clerks, Ninth Ward Works, H. H. Baker, $2.50 per month; Twenty-fifth Ward Works, James Cliff, $71.50; Twenty-sixth Ward Works, Samuel L. Aikin, $82.50.

Water Collections.

Chief Clerk, E. S. Higbee.....salary, $1,350
Cashier, John F. Scheidt..... " 1,300
Permit Clerk, Thos. Orr..... " 1,080
Asst. Permit Clerk, Chas. H. Russell, " 950
Entry Clerks, George S. Macauly, Charles D. Birney, salaries, $1000 each..... 2,000
Registering Clerks, Adolph Buckheister, $1080; George B. Bunn, $900..... 1,980
Chief Bill Clerk, Wm. J. Halliday....salary, 1,300
General Clerks, John M. Stacker, John Caldwell, Charles E. Anspach, Harry P. Wildey, Geo. W. Myers, Jr., Frank S. Harrison, salaries, $900 each..... 5,400
Chief Inspector, Edward M. Rowe..... 950
Inspectors, Ed. E. Thomas, Geo. Hoffman, Wm. Erwin, Harry Homiller, Wm. A. Agnew, Louis Obermiller, Jas. H. Braham, James Cameron, John Simon, Al. C. Weaver, Thos. S. Flanigan, Theo. Yeager, Jas. Buchanan, Geo. Crooks, Wm. C. Thomas, Alex. McConnell, Wm. Rittenhouse, John Van Dusen, salaries, $900 each..... 16,200

REVISION OF TAXES.

BOARD, Simon Gratz, *R.*; William Loughlin, *D.*; George W. Fairman, *R.*; salaries, $4000 each..... $12,000
Chief Clerk, James W. Sayre.....salary, 2,000
Clerk, William H. Loughlin..... " 2,000
Five Clerks, at $1000 each..... 5,000

Tax Assessors.

Salaries, $2000 each, fixed by Act of Assembly.

Dist.

1. First ward, and portion of Twenty-sixth ward east of Broad street, Albert List, Peter Monroe.
2. South of South, west of Broad to Schuylkill, A. M. Maggi, R. A. Lukens.
3. Second, Third and Fourth wards, Joseph L. Nobre, Joseph Eneu.
4. Fifth and Sixth wards, Joseph B. Barry, A. A. Dunton.
5. South to Vine, and Seventh to Thirteenth, John G. Adair, William McMullen.
6. South to Chestnut, and Thirteenth to Schuylkill, James D. Keyser, E. G. Carlin.
7. Chestnut to Vine, Thirteenth to Schuylkill, Alfred Gratz, C. Haggerty.
8. Vine to Master, Broad to Schuylkill, James E. Ritchie, Howard Josephs.
9. Vine to Master, Sixth to Broad, Peter Bobb, F. P. Haggerty.
10. Eleventh, Twelfth and Sixteenth wards, William McMurray, George R. Berrell.
11. Seventeenth and Eighteenth wards, Joseph W. Kerr, John Gormley.
12. Master to Germantown avenue, Sixth to Broad, John H. Haines, James O'Hara.
13. Master to Lehigh avenue, Broad to Schuylkill, John S. Warner, John V. McManus.
14. Nineteenth ward, T. J. Finletter, B. F. Gaskill.
15. Thirty-first ward, and Twenty-fifth ward east of Frankford avenue and south of Wheat Sheaf Lane, Henry Smith, C. W. Potter.
16. Twenty-fifth ward, west of Trenton avenue, W. T. Seal, Isaac S. Cassin.
17. Twenty-third ward, and part of Twenty-fifth ward north of Wheat Sheaf Lane, William H. Rushworth, Edward H. Flood.
18. Twenty-second ward, south of Chelten avenue, and Twenty-eighth ward, north of Lehigh avenue and west of Broad and Germantown avenue, Fountain Ward, T. A. Sloan.
19. Twenty-first and Twenty-second wards, north of Chelten avenue, Josephus Yeakel, Wm. H. Doyle.
20. Twenty-fourth ward, F. M. Mayhew, Jesse T. Vogdes.
21. Twenty-seventh ward, R. Paschall, Isaac Leech.

Of the two Assessors in each district, the first named is a Republican, the last a Democrat.

DEPARTMENT OF CITY TREASURER.

City Hall, Ground Floor, South.

City Treasurer, Frank F. Bell, *R.*.....salary, (Term expires January, 1899.)		$10,000
Chief Clerk, David C. King.....salary,		2,500
Paying Teller, Charles C. Corcoran... "		2,300
Receiving Tellers, Joseph W. Catharine, Jr., John Gallagher, salaries, $1800 each...		3,600
Assistant Paying Tellers, James McConnell, $1400; David T. Hart, $1100.....		2,500
Assistant Receiving Tellers, William C. Barnes, A. L. Frazier, salaries, $1000 each,		2,000
Bookkeeper, Chas. E. Orme.....salary,		1,800
Warrant Clerk, C. R. Macauley..... "		1,500
State Clerk, W. A. Robinson..... "		1,500
Assistant Bookkeeper, $1000; two Assistant Warrant Clerks, $1000 each; three Assistant State Clerks, $1000 each; Miscellaneous Clerk, $1000; Messenger, $720; two Watchmen, $720 each.....		9,160

LAW DEPARTMENT.

Office, Sixth and Locust Streets.

City Solicitor, Chas. F. Warwick, *R.*, salary, (Term expires April, 1900.)	$10,000
First Assistant, Robert Alexander, salary,	4,000
Second Assist., Abraham M. Beitler, "	2,000
Assistant, Frank M. Riter..... "	1,600
Assistants, Charles B. McMichael, Wm. H. Addicks, J. K. McCarthy, H. F. Walton, salaries, $1250 each.....	5,000
Assistants, Thomas D. Finletter, E. Spencer Miller, Howard A. Davis, Frank F. Sower, John C. Sheahan, salaries, $1000 each.....	5,000
Solicitor for Guardians of Poor, Samuel E. Cavin.....salary,	2,000
Lien Solicitor, Isaac H. Shields..... "	2,000
Tax Solicitor, Alfred S. Miller..... "	1,250
Building Inspectors' Solicitor, Francis L. Wayland.....salary,	1,250

DEPARTMENT OF EDUCATION.

Office, 713 Filbert Street.

BOARD, Edward T. Steel, President; A. S. Jenks, Robert Nebinger, Samuel F. Flood, F. A. Fagen, John M. Campbell, Charles H. Le Fevre, Anna Hallowell, Simon Gratz, James Freeborn, Thos. A. Robinson, Samuel T. Child, M. Hall Stanton, John L. Kinsey, A. M. Spangler, James S. Whitney, Isaac A. Sheppard, James Hughes, Alexander Adaire, William F. Miller, Thomas E. Merchant, Edwin T. Coxe, Richardson L. Wright, Edward Lewis, Thomas W. Marchment, Paul Kavanagh, Samuel B. Huey, Charles Francis Abbot, Samuel W. Pennypacker, W. J. Pollock, James Pollock.

Superintendent, James MacAllister, salary,	$5,000
Assistants, Andrew J. Morrison, James F. C. Sickel, Edgar A. Singer, C. Henry Kain, $2500 each; Lydia A. Kirby, May Haggenbotham, $1800 each.....	13,600
Architect and Supervisor, Jos. D. Austin, salary.....	2,400
Assistants, J. W. Anshutz, $1600; J. H. Cook, $1200; J. Gaw, $1000.....	3,800
Secretary, Henry W. Hallwell.....salary,	2,000
Assistant Secretary, A. F. Hammond, "	1,500

PUBLIC BUILDING COMMISSIONERS.

Office, City Hall, Ground Floor, South.

COMMISSION, Samuel C. Perkins, President; William Brice, Isaac S. Cassin, William S. Stokley, Mahlon H. Dickinson, James R. Gates,* Thomas E. Gaskill, John L. Hill, Charles Lawrence, Hiram Miller, Richard Peltz, Edwin H. Fitler, William H. Wright.

Secretary, William B. Land.....salary,	$2,500
Treasurer, Frank F. Bell.	
Architect, John McArthur, Jr.	
Superintendent, William C. McPherson.	
Clerk and Messenger, Robert Liberton.	

DEPARTMENT OF PARKS.

Office, City Hall, Ground Floor, East.

COMMISSION, George H. Boker, President; James McManes, Vice President; Fred. G. Wolbert, Treasurer; Edward C. Knight, S. Gustine Thompson, David W. Sellers, A. Loudon Snowden, Charles W. Henry, William M. Singerly,

* *Ex-officio.*

William S. Stokley, Edwin H. Fitler,* Charles Lawrence,* James R. Gates,* John L. Ogden,* William Dixey,* Samuel L. Smedley.*
Secretary, F. M. Dougherty.....salary, $2,000
Park Solicitor, Samuel C. Perkins..... " 1,200
Superintendent, Russell Thayer..... " 2,750
Captain of Guards, Louis M. Chastean, " 1,825

DEPARTMENT OF PORT WARDENS.

Office, Rooms 11 and 13, Chamber of Commerce.

BOARD, George A. Cotton, President; Alexander C. Fergusson, Charles R. Norman, Theodore Frothingham, Frank T. Downing, Nathan McK. Wilson, Charles S. Lowry, William Ross, William M. Neal, James Gartside, Abram Britton, Charles Halyburton, Jr., E. K. Stevenson, Chas. W. Weyman, Joel Cook, William R. Tucker, Samuel Disston, Joseph S. Peirce.
Secretary, Jonathan Gillingham.....salary, $1,080
Vessel Clerk, George F. Sproule..... " 600
Master Warden, Christian K. Ross..... " 2,500
Harbor Master, Charles Lawrence..... " 2,500

COUNTY PRISON.

Passyunk Avenue and Reed Street.

Inspectors, Caspar Wister, President; J. Price Wetherill, Charles Hill, William M. Reilly, Emlen Hutchinson, S. B. Stitt, Edward Smith, Henry D. Welsh, Joseph D. Potts, Robert R. Corson, E. Robins.
Superintendent, Howard Perkins.....salary, $2,250
Clerk, Robert C. Motherwell, Jr..... " 1,125
Deputy Superintendent, Alexander P. Richardson.....salary, 1,125
Prison Agent, Joseph J. Camp..... " 1,125
Physician, Benjamin F. Butcher..... " 900
Assistant Physician, Frank A. Sharp, " 810
Superintendent Shoe Department, T. K. Bowman.....salary, 1,080

EASTERN PENITENTIARY.

Twenty-first Street and Fairmount Avenue.

Inspectors, Richard Vaux, President; J. William White, Secretary; John M. Maris, Treasurer; Furman Sheppard, C. Stuart Patterson.
Warden, Michael J. Cassidy.
Clerk, D. W. Bussinger.
Resident Physician, William Duffield Robinson.
Moral Instructor, Rev. J. Y. Ashton.

DEPARTMENT OF CITY TRUSTS.

Office, 19 South Twelfth Street.

BOARD, W. Hayward Drayton, President; Louis Wagner, Vice President; James Campbell, B. B. Comegys, Joseph L. Caven, William L. Elkins, William B. Mann, John H. Michener, William Henry Rawle, James Simpson, George H. Stuart, Richard Vaux, Edwin H. Fitler,* Jas. R. Gates,* Charles Lawrence.*
Secretary, Frank M. Highley.
Superintendent of Admissions and Indentures, John S. Boyd.

Girard College.

President, A. H. Fetterolf.
Vice President, Henry D. Gregory.
Commandant of Cadets, Joseph P. C. Ward.

* *Ex-officio.*

Girard Estate.

Philadelphia:
Superintendent, George E. Kirkpatrick.
Agent, Samuel S. Cavin.

Schuylkill and Columbia Counties:
Engineer, Heber S. Thompson, Pottsville.
Assistant Superintendent, Emil C. Wagner, Girardville.
Solicitor, Samuel H. Kaercher, Pottsville.

Wills Hospital.

Race Street, above Eighteenth.

Clinic Hours, 2 to 3 P. M. (Sundays excepted). Hours for Visiting Patients, 11 A. M. to 12 M. (Sundays excepted.)
Steward, Richard Wistar.
Pathological Curator, W. F. Norris.
House Surgeon, S. Lewis Zeigler.
Matron, Charlotte Wistar.

HOUSE OF REFUGE.

Office, 1116 Girard Street.

MANAGERS, Frederick Collins, President; Geo. M. Troutman, James V. Watson, Vice Presidents; A. M. Collins, Secretary; Thomas A. Robinson, Assistant Secretary; Caspar Wister, Charles E. Haven, Samuel R. Shipley, George L. Buzby, B. B. Comegys, Wm. H. Vogdes, Wm. C. Smyth, Wm. H. Larned, Benjamin R. Smith, James Dougherty, Amos Bonsall, Francis W. Lewis, George Watson, Thos. L. Gillespie, Richard A. Lewis, Charles Richardson, Evan Morris, S. H. Reynolds, of Lancaster, Henry Cope, D. Hayes Agnew, J. G. Rosengarten, N. Dubois Miller, John C. Kelley, John H. Watt.
Counsellors, Isaac Hazlehurst, Geo. W. Biddle.
Solicitor, N. Dubois Miller.
Consulting Physicians, F. M. Perkins, J. Roberts.
Agent and Bookkeeper, Harvey R. Summers.
Superintendent, J. Hood Laverty.
Assistant Superintendent, Boys' (White) Department, William F. Church.
Matron, Lizzie Davison.
Matron, Girls' (White) Department, Mary A. Campbell.
Assistant Superintendent, Boys' and Girls' (Colored) Department, William F. Church.
Matron, Mary A. Little.

COUNTY OFFICERS.

SHERIFF.

Sheriff, Charles H. Krumbhaar, *D.*, salary, $15,000
(Term expires January, 1891.)
Chief Deputy.....salary, 6,000
Solicitor, Furman Sheppard..... " 2,000
Assistant Solicitor..... " 1,500
Personal Estate Deputy..... " 2,000
Clerk to Real Estate Deputy..... " 1,500
Execution Clerk..... " 1,200
Appearance Clerk..... " 1,000
Assistant Appearance Clerk..... " 900
Fee Clerk..... " 1,000
Six Deputies.....$1000 each, 6,000
Six Deputy Sheriff's Clerks..... 900 each, 5,400
Van Driver.....salary, 1,500
Bill Poster..... " 1,000
Quarter Sessions Depnty..... " 700
Assistant Quarter Sessions Deputy.. " 700
Messenger..... " 700
Auctioneer..... " 600
Janitor..... " 600

[Above are Sheriff's aids, with salaries. Their names had not been announced when the Almanac went to press.]

RECORDER OF DEEDS.

423 Chestnut Street.

Recorder of Deeds, George G. Pierie, *R.*, salary $10,000
(Term expires January, 1891.)
Deputy Recorder, Jos. K. Fletcher...salary, 2,500
Chief Clerk, C. H. Kretschmar..... " 2,000
Chief Search Clerk, Ralph N. Warner, " 2,000
Search Clerks (Mortgage), Samuel A. Topham, William G. Combes, George W. Brown, salaries, $1500 each 4,500
Chief Index Clerk, Jacob Adler.....salary, 1,800
Index Clerk, W. S. Ridgway..... " 1,200
Bookkeeper, Joseph Berry..... " 1,200
Search Clerks (Conveyance), Samuel A. Welsh, Samuel Sparhawk, salaries, $1200 each..... 2,400
Six Special Index Clerks, sal'r's, $1000 each, 6,000
Superintendent of Transcribing Room, W. F. Anderson.....salary, 1,050
Four Miscellaneous Clerks, $1000 each; one Compare Clerk, $1050; three Assistant Compare Clerks, $1000 each; Custodian of Records, $700; Messenger, $700; Janitor, $600..... 10,050
Transcribing Clerks, paid 40 per cent. of fees earned, estimated..... 20,000

COUNTY COMMISSIONERS.

Office, City Hall, Ground Floor, South.

William Bartley, *R.*, Theodore B. Stulb, *R.*, John P. J. Sensenderfer, *D.*, salaries, $5000 each..... $15,000
Chief Clerk, Joseph H. Winters.....salary, 1,500
Election Clerks, L. F. Caron, David S. Scott, salaries, $900 each..... 1,800
Messenger, William Harvey.....salary, 1,000

COUNTY CONTROLLER.

City Hall, Ground Floor, South.

Controller, Robert P. Dechert, *D.*.....salary, $8,000
(Term expires January, 1891.)
Chief Clerk, Oliver C. Bosbyshell.....salary, 2,500
Chief Auditor, Edwin A. Pue..... " 2,500
Bookkeeper, Channing Bingham..... " 1,800
Warrant Delivery Clerk, Charles J. Boyle, salary 1,200
Sixteen Auditors, salaries, $1200 each..... 19,200
Three Registers, $1000 each; Custodian of Records, $800; Type-writer, $360..... 2,160

DISTRICT ATTORNEY.

New Court House, Sixth Street, below Chestnut.

District Attorney, George S. Graham, *R.*, salary $10,000
(Term expires January, 1890.)
First Assistant, John L. Kinsey.....salary, 5,000
Second Assistant, John A. Siner..... " 4,000
Third Assistant, William W. Ker..... " 3,000
Clerk, J. M. R. Jerman, Jr..... " 1,800
Fee Clerk, Samuel P. Galton..... " 500
Detective, Charles F. Myers..... " 1,500
Detective, Henry Weyl..... " 1,200

CLERK OF QUARTER SESSIONS.

New Court House, Sixth Street, below Chestnut.

Clerk, William E. Littleton, *R.*.....salary, $5,000
(Term expires January, 1890.)
Deputy Clerk, Richard Peltz.....salary, 2,500
Chief Court Clerk, A. Wilson Henszey, " 2,500
Assistant Clerk, Lewis C. Dunlap..... " 1,200
Assistant Court Clerk, Chas. H. Good, " 1,200
Record Clerk, Benjamin N. Faunce...salary, $1,200
Fee Clerk, J. Elmer Hall..... " 1,200
Road Clerk, Henry C. Selby..... " 1,000
Search, Subpœna and Miscellaneous Clerks, salaries, $900 each..... 2,700
Messenger.....salary, 700

REGISTER OF WILLS.

419 Chestnut Street.

Register, William B. Kinsey, *R.*.....salary, $5,000
(Term expires January, 1889.)
Deputy Register, Wm. G. Shields.....salary, 2,000
State Appraiser, Gilbert W. Greger... " 1,500
Nine Clerks, salaries, $1000 each..... 9,000
Messenger, $800; Janitor, $300..... 1,100

CORONER.

Southwest Corner Seventh and Chestnut Streets.

Coroner, Samuel H. Ashbridge, *R.*.....salary, $5,000
(Term expires January, 1890.)
Deputy Coroner, Thos. J. Powers.....salary, 2,500
Physicians, Henry T. Formad, Robert R. Stewart, salaries, $1250 each..... 2,500
Clerk, Thomas Dugan.....salary, 1,100
One Assistant Clerk, $850; two Messengers, $800 each; Wagon Driver, $1800..... 4,250
Undertaker, J. Lewis Good.

MERCANTILE APPRAISERS.

Office, 1430 South Penn Square.

Edward W. Patton, *R.* Robert C. Tittermary, *R.*
David Martin, *R.* Samuel F. Houseman, *R.*
Albert Crawford, *D.*

BOARD OF PUBLIC CHARITIES.

Office, 1224 Chestnut Street.

Commissioners, Henry M. Hoyt, President; G. C. Shidle, J. Munroe Shellenberger, William J. Sawyer, Thomas G. Morton, J. W. C. O'Neal, George I. McLeod, Mahlon H. Dickinson, H. M. Boies (Scranton), George W. Starr (Erie); General Agent and Secretary, Cadwalader Biddle.

COURTS.

Common Pleas, No. 1.

President Judge, Joseph Allison, *R.*
Associate Judges, Craig Biddle, *R.*, F. Amadee Brégy, *R.*
Crier, Horace D. Gaw. Assistant Crier, Robert M. Stokley. Clerk, George T. Deiss. Six tipstaffs.

Common Pleas, No. 2.

President Judge, J. I. Clark Hare, *R.*
Associate Judges, James T. Mitchell, *R.*, D. Newlin Fell, *R.*
Crier, A. Jackson Reilly. Assistant Crier, William B. Reed. Clerk, Thomas E. Reeves. Six tipstaffs.

Common Pleas, No. 3.

President Judge, Thomas K. Finletter, *R.*
Associate Judges, James Gay Gordon, *D.*, Henry Reed, *R.*
Crier, Henry J. McIntyre. Assistant Crier, A. F. Keyser. Clerk, J. Penn MacCain. Seven tipstaffs.

Common Pleas, No. 4.

President Judge, M. Russell Thayer, *R.*
Associate Judges, Robert N. Willson, *R.*, Michael Arnold, *D.*
Crier, Eli G. Sellers. Assistant Crier, William F. Hart. Clerk, Chas. H. White. Seven tipstaffs.

Orphans' Court.

President Judge, William B. Hanna, *R.*
Associate Judges, Clement B. Penrose, *R.*, William N. Ashman, *R.*
Clerk, William B. Kinsey (Register of Wills).
First Assistant, A. J. Fortin.....$2,000
Second Assistant, Edward Nichols..... 1,200
Four Assistants, $1,000 each..... 4,000
Messenger, James Chambers..... 800
Crier, H. M. Wadsworth. Eight tipstaffs.

PROTHONOTARY.

Office, Southeast Corner Sixth and Chestnut Streets.

Prothonotary, William B. Mann, *R.*..salary, $10,000
Deputy Prothonotary, Charles B. Roberts, salary 3,500
Second Deputy Prothonotary, Charles N. Mann.....salary, 2,000
First Clerk, James W. Fletcher..... " 1,800
Four Search Clerks, salaries, $1200 each..... 4,800
Three Locality Clerks, salaries, $1200 each... 3,600
Four Appearance Clerks, $1200 each; one Mechanics' Lien Clerk, $1200; three Writ Clerks, $1200 each; one Index Clerk, $1200; two Fee Clerks, $1200 each; one Exemplification Clerk, $1400; one Exemplification Clerk, $1000; eight Recording and Miscellaneous Clerks, $975 each; one Custodian of Records, $900; one Custodian of Books, $800; Messenger, $800..... 25,900

U. S. OFFICERS IN PHILADELPHIA.

CUSTOM HOUSE. South side of Chestnut street, below Fifth.—Collector, John Cadwalader; Deputy Collector, Charles Henry Jones; Deputy Collector, Joseph Powell; Secretary, Samuel T. Jaquette; Surveyor, John M. Campbell; Deputy Surveyor, Stephen J. Burke; Naval Officer, Henry B. Plumer; Appraiser, Joseph B. Baker; Weigher, John J. McDevitt; Gauger, William Wallace; Inspector of Hulls, H. A. Thompson; Inspector of Boilers of Steam Vessels, Chris. Vert.

POST OFFICE. Ninth street, from Chestnut to Market.—Postmaster, William F. Harrity; Assistant Postmaster, Henry Drake.

UNITED STATES SUB-TREASURY. Library street, below Fifth.—S. Davis Page.

UNITED STATES MINT. North side of Chestnut street, below Broad.—Superintendent, Daniel M. Fox; Assayer, Jacob B. Eckfeldt; Refiner, James C. Booth; Coiner, William L. Steel; Engraver, Charles E. Barker.

COLLECTOR OF INTERNAL REVENUE, Fred. Gerker.

PENSION AGENT, W. W. H. Davis.

UNITED STATES COURTS AND OFFICERS.

Third Floor Post Office Building.

UNITED STATES CIRCUIT COURT.—Judges, Joseph P. Bradley, William McKennan. Clerk, Samuel Bell.

DISTRICT COURT.—Judge, William Butler. Clerk, Charles S. Lincoln.

UNITED STATES MARSHAL'S OFFICE.—United States Marshal, Andrew H. Dill; United States District Attorney, John K. Valentine; Assistants, Henry P. Brown; James S. Nickerson; United States Commissioners, Fred. C. Brightly, J. Cooke Longstreth, Charles Gibbons, Jr., Samuel Bell, Henry Phillips, Jr., Aubrey H. Smith, Henry R. Edmunds, James Pollock, Charles P. Clarke. Chief Supervisor of Elections, James Pollock. Shipping Commissioner, James J. King.

THE CITY VOTE.

Following is the party and total vote of Philadelphia since 1860:

Year.	*Rep.*	*Dem.*	*Maj.*	*Total.*
1860—President	39,223	38,025	1,199 *R*	77,247
1861—Sheriff	30,492	30,346	146 *R*	60,838
1862—Auditor-Gen'l	36,124	33,323	2,801 *R*	69,447
1863—Governor	44,274	37,198	7,081 *R*	81,467
1864—Sheriff	47,093	39,388	7,726 *R*	86,460
President	55,791	44,032	11,759 *R*	99,823
1865—Mayor	45,098	39,668	5,430 *R*	84,766
1866—Governor	54,205	48,817	5,388 *R*	103,022
1868—Mayor	59,679	61,517	1,838 *D*	121,196
President	60,985	55,173	5,812 *R*	116,158
1869—Governor	51,202	46,802	4,400 *R*	98,004
1870—Sheriff	51,954	45,035	6,899 *R*	96,969
1871—Mayor	60,629	51,549	9,080 *R*	122,178
1872—Governor	90,278	48,841	20,437 *R*	118,119
President	68,856	23,410	45,446 *R*	92,266
1873—Supreme Court	51,657	42,732	8,925 *R*	94,389
Sheriff	65,328	37,879	18,449 *R*	94,207
City Treasurer	57,412	36,874	20,638 *R*	94,386
1874—Mayor*	60,128	49,133	10,995 *R*	109,261
City Solicitor	61,209	48,041	13,168 *R*	109,250
1875—Governor	55,262	47,980	16,635 *R*	113,889
State Treasurer	64,646	48,574	15,434 *R*	113,858
Judge Pleas	66,092	47,601	18,491 *R*	113,691
1876—President	77,130	62,100	15,030 *R*	139,230
Sheriff	53,790	46,573	7,264 *D*	133,790
1877—Mayor†	64,779	61,913	2,866 *R*	126,692
Solicitor	67,534	59,986	7,548 *R*	127,520
Supreme Judge	57,320	50,045	6,275 *R*‡‡	113,204
District Att'n'y	53,850	54,841	991 *D*	113,198
1878—Police Magist.¶	55,144	26,497	28,647 *R*	84,164
Governor	70,099	53,755	16,344 *R*	127,219
Rec'd. of Deeds	69,377	53,172	16,205 *R*	125,913
1879—State Treasurer	74,176	44,335	29,843 *R*§	118,914
Sheriff	73,862	44,826	29,036 *R*	118,945
R'gist'r of Wills	73,926	44,669	29,257 *R*	118,807
City Treasurer	73,976	45,187	28,789 *R*	119,812
1880—President	97,239	76,356	20,883 *R*§	173,889
Controller	79,868	93,471	13,593 *D*	173,329
1881—State Treasurer	55,866	42,357	13,509 *R***	118,266
1882—Governor	70,875	67,411	3,464 *R*††	147,049
1883—Auditor-Gen'l	75,569	54,902	20,677 *R*	130,471
State Treasurer	76,777	54,783	21,994 *R*	131,560
1884—President	101,402	71,288	30,114 *R*‡‡	174,747
Controller	77,600	92,534	14,934 *D*	170,134
1885—State Treasurer	79,220	64,083	14,237 *R*§	143,979
Sheriff	76,780	64,843	11,915 *R*§	142,966
Register	82,528	60,738	21,790 *R*§	144,561
1886—Governor	89,820	64,135	25,682 *R*§§	157,899
Judge Pleas 3	72,134	82,810	10,676 *D*	154,944
1887—Treasurer	86,872	72,620	14,252 *R*	159,743
Supreme Judge	86,689	73,103	13,586 *R*	160,934
Sheriff	74,996	82,541	7,545 *D*	158,807
Controller	75,043	84,052	9,009 *D*	160,076

* Stokley-McClure contest; not a party fight.
† Not a party contest. Stokley was opposed for Mayor by Caven, who was run as a Reformer.
‡ The total vote for Supreme Judge, 1877, includes 4782 for Paxson, Greenback, and 54 for Winton, Prohibition. The total vote for District Attorney includes 4507 for Brewster, Labor candidate. The total vote for Controller includes 5068 for Welsh, Labor candidate.
¶ The total vote for Police Magistrate in February, 1878, includes 2523 for Loughrey, Labor candidate.
§ The total vote for Governor, 1878, includes 3211 votes cast for Mason, National, and 1,000 for Lane, Prohibition.
‖ Includes Greenback and Prohibition vote.
** Includes 14,722 votes for Wolfe, Independent Republican, 254 Greenback, and 67 Prohibition.
†† The total includes 7992 votes for Stewart, Independent Republican, 72 for Armstrong, Greenback, and 99 for Pettitt, Prohibition.
‡‡ Includes 1279 votes for St. John, Prohibition, and 778 votes for Butler, Greenback.
§§ Includes 3864 votes for Wolfe, Prohibition, and 80 votes for Houston, Greenback.

Philadelphia Election Returns.

VOTE FOR STATE TREASURER, SHERIFF AND CONTROLLER, BY DIVISIONS.—1887.

1st WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	99	122	98	122	96	124
2	118	115	112	126	104	135
3	140	98	124	110	126	111
4	89	116	83	119	82	122
5	129	73	124	79	115	81
6	138	69	127	79	128	80
7	144	84	124	97	134	93
8	106	115	97	123	97	124
9	101	139	96	152	88	152
10	114	111	104	119	105	122
11	147	86	144	88	137	95
12	146	74	134	82	133	83
13	141	78	121	93	122	94
14	138	97	126	106	133	100
15	122	112	108	124	111	119
16	119	91	105	105	102	109
17	122	91	120	99	125	97
18	130	87	121	94	125	92
19	105	106	98	111	99	112
20	133	64	121	75	124	75
21	136	95	122	107	126	106
22	87	104	81	111	82	110
23	69	149	64	153	61	156
24	125	138	114	145	119	143
25	102	111	115	104	105	122
26	75	130	65	142	70	137
27	137	83	132	91	131	92
28	89	107	82	113	84	112
29	87	154	79	159	77	160
30	107	127	96	130	94	131
31	140	104	131	113	128	118
32	139	89	130	99	142	89
33	120	86	107	97	110	97
34	130	98	125	98	133	98
35	165	167	157	176	154	174
36	204	166	189	181	191	181
37	145	162	134	168	138	163
38	155	104	154	105	148	109
	4732	4106	4361	4420	4400	4420

Hart's majority, 626
Krumbhaar's maj., 59
Dechert's majority, 20

2d WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	48	59	47	60	43	58
2	116	118	109	122	106	123
3	80	113	77	113	79	113
4	114	74	106	81	111	77
5	100	49	91	53	93	55
6	100	39	90	48	92	46
7	141	127	113	151	122	147
8	78	152	72	158	78	153
9	111	129	100	128	100	131
10	58	166	51	172	50	174
11	72	148	67	152	66	155
12	85	123	68	140	69	134
13	65	64	64	69	55	64
14	121	141	103	153	109	153
15	102	114	87	118	97	117
16	102	132	91	140	87	143
17	66	167	59	172	56	176
18	66	162	59	168	57	171
19	43	160	54	152	46	160
20	33	132	30	134	30	134
21	39	186	30	195	30	195
22	65	154	54	159	61	149
23	50	138	48	138	45	143
24	105	125	97	129	92	129
	1993	2963	1789	3109	1823	3109

McGrann's majority, 970
Krumbhaar's maj., 1320
Dechert's majority, 1286

3d WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	47	135	47	133	44	137
2	25	94	26	93	22	97
3	48	122	49	120	47	123
4	65	110	64	111	60	115
5	61	89	53	96	53	97
6	78	134	76	135	72	140
7	69	97	67	95	65	100
8	72	116	78	115	71	121
9	33	122	29	122	29	129
10	54	142	52	142	49	149
11	48	103	52	99	47	103
12	94	105	95	103	93	106
13	44	77	38	83	40	81
14	64	133	63	132	51	147
15	123	103	154	83	100	117
16	95	147	94	145	85	156
	1020	1833	1037	1814	937	1918

McGrann's majority, 813
Krumbhaar's maj., 777
Dechert's majority, 981

4th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	11	204	12	203	8	207
2	57	114	27	131	30	122
3	53	117	44	122	43	125
4	37	144	37	146	34	147
5	71	92	79	83	67	97
6	47	104	39	110	35	117
7	41	145	42	142	40	145
8	48	223	49	222	48	223
9	29	118	28	117	34	121
10	16	225	30	211	16	225
11	16	214	26	204	16	214
12	65	105	63	104	59	110
13	81	94	73	97	71	100
14	118	62	116	63	113	66
15	61	52	62	50	58	55
16	149	52	149	48	144	66
17	164	61	162	59	161	64
	1045	2252	1050	2252	980	2318

McGrann's majority, 1207
Krumbhaar's maj., 1202
Dechert's majority, 1338

5th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	37	121	37	121	34	124
2	69	128	65	130	60	136
3	116	121	113	124	106	132
4	42	149	46	140	42	149
5	58	84	56	82	52	88
6	103	49	98	57	96	57
7	66	41	63	42	61	46
8	78	81	74	85	68	88
9	63	66	54	73	56	72
10	105	76	100	78	99	81
11	98	71	89	78	94	75
12	100	94	96	98	91	41
13	90	63	104	68	103	12
14	115	27	116	27	114	27
15	125	39	110	50	109	54
16	186	34	183	38	183	38
17	55	103	51	108	52	105
	1506	1305	1414	1375	1335	1416

Hart's majority, 201
Leeds' majority, 39
Dechert's majority, 81

6th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	34	120	32	122	23	135
2	60	121	65	117	60	122
3	47	103	45	105	43	105
4	80	149	81	147	74	155
5	45	56	39	62	36	64
6	65	126	67	123	60	130
7	113	135	117	129	107	146
8	92	126	84	134	80	138
9	54	133	53	132	50	136
	590	1069	583	1071	538	1121

McGrann's majority, 479
Krumbhaar's maj., 488
Dechert's majority, 583

7th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	131	47	131	47	84	90
2	118	22	87	41	82	60
3	202	24	173	48	181	42
4	183	48	176	67	170	72
5	153	39	151	30	150	36
6	159	149	114	92	121	88
7	180	32	145	67	84	130
8	182	43	152	73	127	83
9	219	50	192	73	178	84
10	192	31	131	92	121	91
11	107	75	73	57	73	58
12	173	30	142	61	108	92
13	188	66	172	81	145	107
14	111	82	89	80	70	101
15	184	57	176	67	178	66
16	115	56	80	90	68	103
17	127	44	120	48	119	49
18	116	73	111	77	109	79
19	91	172	114	173	118	175
20	84	84	60	106	60	109
21	91	96	85	98	86	101
22	108	122	93	134	98	133
23	88	140	73	154	72	156
24	52	140	50	142	48	144
25	55	142	53	142	51	146
	3460	1568	2942	2055	2696	2296

Hart's majority, 1908
Leed's majority, 887
Maloney's majority, 400

8th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	161	47	149	57	129	75
2	144	62	124	81	119	88
3	133	93	120	96	133	93
4	167	45	157	61	157	63
5	104	71	99	74	80	93
6	92	68	68	89	65	95
7	149	39	144	44	144	45
8	128	45	100	67	104	69
9	83	64	83	66	95	63
10	130	58	84	97	94	90
11	68	33	53	47	53	50
12	115	45	84	71	93	65
13	107	79	76	108	61	124
14	122	76	82	113	88	112
15	45	104	52	97	24	125
16	102	89	81	106	86	103
	1910	967	1566	1274	1525	1353

Hart's majority, 943
Leeds' majority, 292
Maloney's majority, 372

9th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	117	42	113	45	111	4
2	82	54	71	61	69	6
3	62	82	62	83	39	10
4	104	72	81	97	81	9
5	141	126	134	133	131	13
6	95	51	77	67	79	6
7	131	52	118	64	122	6
8	73	51	56	68	54	7
9	122	47	105	61	112	5
10	95	77	89	77	86	8
11	59	50	52	57	51	5
12	127	102	117	103	113	11
	1209	800	1075	916	1048	95

Hart's majority, 409
Leeds' majority, 159
Maloney's majority, 98

10th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	86	103	86	105	73	11
2	89	70	89	73	78	5
3	124	38	112	50	110	6
4	115	60	124	52	112	6
5	183	37	185	36	172	4
6	266	81	273	73	255	9
7	153	73	122	74	114	8
8	139	87	132	92	124	10
9	120	55	111	62	99	7
10	140	61	120	76	122	7
11	140	92	138	90	127	10
12	110	117	99	117	89	9
13	104	62	90	74	91	7
14	120	42	102	55	97	6
15	113	43	87	63	83	7
16	110	38	89	54	87	6
17	131	50	113	69	118	6
18	103	64	93	70	92	7
19	95	67	98	65	94	6
20	123	90	134	77	132	8
	2537	1330	2397	1437	2279	158

Hart's majority, 1207
Leeds' majority, 960
Maloney's majority, 690

11th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	65	165	50	188	59	18
2	51	148	44	154	46	15
3	84	161	91	153	61	18
4	82	151	82	150	68	16
5	87	152	82	147	78	15
6	81	180	111	157	94	18
7	97	168	63	191	62	19
8	70	126	68	123	61	13
9	61	108	58	110	53	11
10	80	192	71	205	70	20
	738	1551	670	1609	602	167

McGrann's majority, 813
Krumbhaar's maj., 939
Dechert's majority, 1075

12th WARD.

Division.	State Treas. Hart.	Sheriff. McGrann	Leeds.	Krumbhaar	Maloney.	Controller. Dechert.
1	52	152	46	157	45	15
2	50	120	48	95	42	16
3	65	88	56	94	54	9
4	57	149	46	158	46	16
5	58	79	59	70	46	8
6	96	85	80	97	76	10

12th WARD.—Continued.

Division.	State Treas. Hart.	McGrann	Leeds.	Sheriff. Krumbhar's	Maloney.	Controller. Dechert.
7	54	120	40	133	41	133
8	124	123	117	130	83	163
9	95	75	80	90	78	92
10	61	122	75	170	48	135
11	56	122	53	124	51	125
12	62	85	63	84	55	93
13	52	132	45	140	42	143
14	64	91	54	98	47	108
	946	1543	862	1577	750	1704

McGrann's majority, 597
Krumbhaar's maj., 715
Dechert's majority, 954

13th WARD.

1	88	101	70	118	69	121
2	137	50	102	62	124	62
3	120	88	105	103	97	110
4	79	139	73	145	68	151
5	103	42	79	60	87	60
6	146	85	126	100	129	101
7	65	128	58	127	52	131
8	106	104	101	109	93	117
9	122	67	87	96	87	109
10	130	96	106	124	110	113
11	115	72	112	74	107	83
12	141	53	126	66	131	63
13	154	63	119	90	115	97
14	116	83	84	109	91	107
15	115	56	102	61	107	60
16	67	131	62	133	59	139
	1804	1358	1552	1557	1520	1635

Hart's majority, 446
Krumbhaar's maj., 5
Dechert's majority, 115

14th WARD.

1	125	105	124	107	119	112
2	167	65	165	70	162	75
3	108	71	104	75	103	75
4	86	95	78	102	74	104
5	98	128	94	139	76	147
6	90	76	83	77	81	79
7	69	46	54	61	61	58
8	112	78	92	93	98	92
9	149	83	111	115	124	108
10	101	76	96	79	97	81
11	87	78	78	90	73	90
12	112	92	110	93	108	
13	126	57	103	80	110	74
14	95	89	83	97	87	102
15	99	101	91	109	88	111
16	106	60	84	87	103	61
17	97	80	80	100	79	102
18	107	78	95	88	99	86
19	134	91	123	97	123	101
20	100	90	89	98	86	100
	2198	1639	1942	1864	1902	1858

Hart's majority, 559
Leeds' majority, 78
Maloney's majority, 104

15th WARD.

1	78	142	74	146	76	146
2	51	162	44	164	45	161
3	76	166	64	174	70	172
4	132	38	91	70	193	77
5	147	88	118	110	126	108
6	150	72	112	108	20	106
7	108	89	77	116	78	120
8	131	60	120	66	132	67
9	104	93	88	110	92	112
10	146	67	124	74	133	70
11	135	79	98	111	105	106
12	163	71	122	107	129	103
13	135	59	112	74	115	78
14	133	49	83	87	98	84
15	142	61	98	88	99	93
16	152	90	127	105	127	112
17	93	74	80	83	78	88
18	103	164	102	164	100	166
19	76	104	64	114	60	114

15th WARD.—Continued.

Division.	State Treas. Hart.	McGrann	Leeds.	Sheriff. Krumbhar's	Maloney.	Controller. Dechert.
20	90	121	83	125	79	130
21	169	62	119	94	121	111
22	124	56	102	80	86	98
23	150	56	91	110	94	115
24	90	53	70	72	80	69
25	137	125	131	129	127	133
26	132	84	100	70	112	76
27	165	97	150	110	147	117
28	103	60	89	71	85	70
29	152	59	111	94	127	83
30	139	79	125	91	126	91
31	128	64	115	73	118	75
32	94	91	81	104	83	106
33	57	151	45	161	48	159
34	78	118	71	120	71	122
35	100	99	98	101	91	103
36	40	107	33	112	34	110
37	84	150	70	161	74	159
38	40	166	115	136	134	140
41	133	77	116	90	111	98
	4915	3610	3951	4333	4054	4453

Hart's majority, 1305
Krumbhaar's maj., 432
Dechert's majority, 399

16th WARD.

1	32	189	34	188	24	198
2	63	107	61	107	57	113
3	81	100	71	110	74	109
4	88	115	73	131	74	127
5	90	121	91	120	85	125
6	66	92	60	94	60	95
7	76	84	71	85	68	88
8	100	90	92	97	89	101
9	46	113	43	114	37	116
10	46	120	43	124	43	124
11	73	126	58	144	52	151
12	67	111	45	122	43	131
13	68	154	54	151	53	153
14	78	95	57	113	56	116
15	62	171	52	179	52	180
16	60	123	52	129	54	128
17	79	113	78	113	56	135
	1173	2010	1035	2129	977	2196

McGrann's majority, 837
Krumbhaar's maj., 1094
Dechert's majority, 1219

17th WARD.

1	96	109	80	114	84	114
2	82	80	77	84	77	85
3	108	88	80	105	99	97
4	98	101	90	105	89	109
5	73	89	79	92	70	90
6	31	150	26	154	25	155
7	44	158	32	167	32	168
8	17	178	16	179	9	185
9	31	207	34	205	24	215
10	23	172	17	178	18	177
11	41	147	52	151	47	147
12	38	150	33	155	31	157
13	50	126	46	130	41	135
14	50	179	49	182	43	188
15	38	138	20	147	22	145
16	34	121	27	130	25	132
17	56	138	40	152	44	150
18	56	154	46	164	42	169
	982	2506	863	2674	832	2750

McGrann's majority, 1524
Krumbhaar's maj., 1751
Dechert's majority, 1818

18th WARD.

1	74	72	72	75	70	77
2	108	86	108	84	100	94
3	132	92	115	105	120	103
4	119	78	99	91	98	93
5	174	75	156	89	163	84
6	116	72	101	83	107	82

18th WARD.—Continued.

Division.	State Treas. Hart.	McGrann	Leeds.	Sheriff. Krumbhar's	Maloney.	Controller. Dechert.
7	139	44	112	64	117	60
8	182	88	145	118	156	108
9	145	57	129	67	131	71
10	117	46	103	53	110	51
11	168	70	133	94	143	90
12	140	82	108	102	119	111
13	202	101	173	127	182	121
14	166	87	129	108	150	99
15	150	85	113	120	119	117
16	160	104	150	119	160	116
17	213	74	182	101	193	92
18	167	59	152	67	154	70
19	117	66	97	85	100	82
20	101	71	81	90	91	81
21	169	66	154	78	161	69
22	212	82	183	102	187	106
23	82	128	75	133	77	132
24	53	161	42	171	44	170
25	117	119	107	119	111	119
26	69	108	55	113	57	110
27	35	235	28	241	28	242
	3627	2419	3130	2803	3251	2755

Hart's majority, 1208
Leeds' majority, 327
Maloney's majority, 496

19th WARD.

1	103	134	98	139	95	142
2	143	98	125	114	128	110
3	179	75	164	90	169	84
4	42	169	41	172	40	174
5	66	274	57	284	56	285
6	120	148	97	155	120	146
7	69	171	52	187	54	185
8	117	115	99	133	105	123
9	71	188	76	182	63	196
10	136	128	130	131	124	130
11	124	117	111	127	103	131
12	169	136	153	149	150	155
13	123	125	102	149	107	144
14	119	109	113	115	110	118
15	150	78	123	97	131	95
16	130	187	99	211	95	215
17	105	149	84	163	93	162
18	164	91	148	107	147	107
19	138	152	123	164	127	162
20	165	96	144	117	141	121
21	78	63	72	68	72	68
22	116	79	102	80	104	90
23	107	115	99	122	90	134
24	71	154	77	136	73	136
25	157	106	129	131	141	122
26	137	179	145	164	137	167
27	185	155	152	185	155	185
28	188	172	177	179	174	184
29	87	128	85	128	72	143
30	140	106	129	117	134	112
31	169	75	149	100	154	104
32	151	166	127	185	131	184
33	230	221	216	248	229	246
34	105	208	95	218	95	218
	4473	4638	3995	5024	4033	5056

McGrann's majority, 165
Krumbhaar's maj., 1029
Dechert's majority, 1023

20th WARD.

1	131	82	115	99	110	107
2	92	118	75	132	57	153
3	109	110	90	127	89	129
4	135	103	119	115	114	122
5	72	106	53	121	60	110
6	89	74	74	70	79	71
7	61	65	48	76	54	72
8	103	30	77	55	77	55
9	114	64	103	71	99	78
10	94	108	87	110	86	124
11	109	114	92	129	89	126
12	111	155	95	168	93	170
13	111	68	86	92	88	94
14	82	151	78	155	76	159
15	114	102	97	117	99	117

20th WARD.—Continued.

Division.	State Treas. Hart.	McGrann	Leeds.	Sheriff. Krumbhar's	Maloney.	Controller. Dechert.
16	109	58	186	64	184	73
17	88	91	72	104	63	116
18	49	140	45	144	45	143
19	104	87	87	103	85	104
20	136	72	117	86	118	92
21	96	101	79	114	77	117
22	109	138	93	154	90	161
23	126	76	96	99	100	101
24	137	84	113	104	119	101
25	135	95	111	106	116	106
26	142	102	119	102	118	131
27	145	104	117	129	122	129
28	131	126	105	146	114	145
29	133	110	108	128	104	137
30	127	120	100	142	91	152
31	135	72	120	87	120	90
32	133	66	120	69	122	64
33	244	100	228	118	199	148
34	142	124	115	131	114	135
35	151	124	128	142	137	142
36	129	79	119	92	118	88
37	173	97	149	117	156	115
	4481	3629	3805	4202	3776	4335

Hart's majority, 852
Krumbhaar's maj., 397
Dechert's majority, 559

21st WARD.

1	100	184	81	198	90	192
2	73	214	67	219	70	218
3	57	196	57	196	53	200
4	87	116	81	135	80	126
5	168	85	147	104	153	83
6	93	189	74	189	53	146
7	131	77	113	106	124	98
8	175	87	142	117	159	106
9	137	93	124	106	132	102
10	169	126	147	145	155	140
11	54	64	65	68	61	68
12	75	56	56	73	61	70
13	142	41	119	61	125	57
14	151	42	129	63	131	62
15	98	73	82	85	86	85
16	97	102	91	102	91	119
17	107	42	92	55	95	54
18	90	67	76	79	79	79
19	101	25	89	36	96	30
20	65	47	56	54	59	53
	2163	1878	1866	2149	1969	2081

Hart's majority, 285
Krumbhaar's maj., 283
Dechert's majority, 112

22d WARD.

1	102	119	87	135	90	135
2	166	102	131	131	143	127
3	104	104	87	120	95	113
4	176	108	139	141	148	135
5	165	137	133	157	138	157
6	173	88	141	115	153	107
7	189	56	154	81	164	78
8	145	74	131	87	136	82
9	166	92	129	136	141	116
10	144	119	129	119	131	119
11	118	49	72	98	84	86
12	138	65	87	99	102	88
13	169	85	141	114	135	117
14	190	84	141	132	160	114
15	103	124	87	135	91	133
16	121	73	102	83	96	90
17	140	113	103	141	112	140
18	196	82	165	105	137	113
19	193	62	155	99	153	99
20	152	104	100	121	121	115
21	136	84	110	107	99	
22	152	86	126	107	132	105
23	112	150	85	175	92	171
24	127	107	84	142	95	136
	3611	2193	2878	2828	2972	2725

Hart's majority, 1418
Leeds' majority, 50
Maloney's majority, 247

23d WARD.

Division.	State Treas. Hart.	Sheriff. McGrann.	Leeds.	Krumbhaar.	Maloney.	Dechert.
1	87	38	82	40	83	41
2	67	93	61	99	66	95
3	109	74	83	89	77	93
4	99	79	80	94	90	89
5	65	126	60	131	62	129
6	105	92	87	108	95	103
7	152	101	144	107	147	107
8	103	140	103	132	95	145
9	128	91	115	101	117	103
10	148	91	105	127	131	110
11	178	70	160	82	165	82
12	164	71	148	89	157	81
13	155	83	139	92	132	92
14	187	58	141	97	166	83
15	177	49	116	95	143	82
16	110	115	96	126	104	118
17	150	101	143	132	130	122
18	111	83	97	105	88	105
19	181	97	137	131	156	127
20	175	64	147	79	160	74
21	119	183	93	210	99	202
22	120	117	90	146	98	139
23	121	118	102	125	115	122
24	101	39	101	40	85	53
25	247	69	253	65	245	76
	3346	2222	2828	2658	3020	2554

Hart's majority, 1124
Leeds' majority, 170
Maloney's majority, 466

24th WARD.

1	256	67	167	141	183	141
2	151	111	127	129	136	126
3	141	135	97	145	101	145
4	127	146	105	162	110	160
5	168	85	128	121	134	119
6	152	142	120	171	124	172
7	177	107	150	132	148	138
8	102	132	92	133	93	146
9	103	238	98	243	98	243
10	146	114	105	152	122	141
11	111	111	91	126	93	128
12	173	101	151	119	159	114
13	111	187	97	197	97	197
14	132	62	110	84	125	100
15	124	108	92	133	96	137
16	114	46	89	70	95	69
17	87	55	71	70	70	73
18	117	51	110	55	105	63
19	212	93	168	126	185	118
20	157	95	137	109	131	122
21	139	127	117	147	125	142
22	149	76	112	107	130	105
23	63	142	52	153	57	144
24	146	178	105	216	103	220
25	101	111	93	119	91	121
26	90	100	71	117	74	117
27	114	90	102	94	102	94
28	98	87	101	93	103	91
29	103	108	75	134	84	127
30	113	63	89	85	96	79
31	112	100	92	119	95	117
32	99	65	78	84	85	81
33	160	131	127	151	146	148
34	89	158	81	163	82	161
35	127	34	94	63	109	53
36	205	75	169	106	177	106
37	116	96	94	93	93	97
38	100	102	97	106	93	110
	4954	3929	4031	4734	4228	4713

Hart's majority, 1025
Krumbhaar's maj., 703
Dechert's majority, 485

25th WARD.

1	118	122	94	144	106	133
2	92	116	76	128	78	129
3	77	140	64	153	68	149
4	202	63	193	73	196	70
5	99	60	93	73	96	70
6	198	124	180	136	186	135
7	149	196	130	206	142	198

25th WARD.—Continued.

Division.	State Treas. Hart.	Sheriff. McGrann.	Leeds.	Krumbhaar.	Maloney.	Dechert.
8	79	199	71	206	71	206
9	37	139	37	140	35	139
10	18	238	16	246	17	247
11	20	245	18	247	17	248
12	34	181	28	186	28	187
13	78	136	69	147	79	145
14	186	103	152	130	159	127
15	135	69	120	83	143	83
16	205	94	165	101	196	103
17	129	134	122	140	111	151
18	135	70	107	97	113	95
19	174	123	147	134	153	152
20	134	113	121	124	129	118
21	77	61	61	77	6	78
22	117	77	110	82	107	84
23	100	149	87	163	88	161
24	162	100	149	112	156	110
25	129	164	127	167	123	171
26	103	143	91	161	92	161
27	156	121	121	152	143	134
28	152	135	142	142	145	144
29	147	115	130	134	133	130
30	134	140	130	140	133	130
31	202	81	175	104	180	98
32	85	64	73	73	75	71
33	103	103	98	105	103	103
	4010	4249	3535	4644	3636	4589

McGrann's majority, 239
Krumbhaar's maj., 1109
Dechert's majority, 953

26th WARD.

1	110	81	93	89	82	89
2	151	108	95	120	95	155
3	131	90	115	103	118	103
4	126	109	105	125	109	125
5	105	172	89	188	86	192
6	109	152	91	163	87	174
7	141	89	124	104	122	107
8	117	99	102	113	102	113
9	184	115	156	131	168	128
10	154	72	134	90	139	89
11	172	123	94	122	94	124
12	164	96	148	115	149	117
13	143	89	114	103	115	97
14	105	60	90	72	91	74
15	141	67	135	71	137	70
16	168	69	152	76	153	73
17	150	105	132	116	136	117
18	113	88	106	97	103	101
19	142	50	136	56	140	56
20	116	87	92	100	99	94
21	151	88	137	109	140	107
22	171	122	166	124	163	130
23	120	102	103	115	109	120
24	126	59	120	66	121	65
25	144	89	132	97	137	94
26	138	99	128	108	127	109
27	116	73	103	82	105	81
28	127	116	128	112	124	118
29	142	52	153	57	144	57
30	146	78	105	93	103	93
31	105	43	95	50	98	50
32	102	43	97	51	98	50
33	146	42	144	45	143	46
	4387	2883	3980	3207	4047	3222

Hart's majority, 1504
Leeds' majority, 773
Maloney's majority, 825

27th WARD.

1	142	95	140	99	136	103
2	117	52	106	63	109	58
3	137	82	118	95	122	96
4	107	38	87	53	91	55
5	132	45	90	86	94	86
6	95	50	89	54	91	66
7	152	93	135	107	138	106
8	120	59	106	71	105	73
9	136	66	119	79	120	77
10	166	63	150	77	134	88
11	124	130	109	141	114	140

27th WARD.—Continued.

Division.	State Treas. Hart.	Sheriff. McGrann.	Leeds.	Krumbhaar.	Maloney.	Dechert.
12	127	44	111	59	115	57
13	145	34	115	65	118	63
14	147	96	94	96	93	99
15	137	57	116	70	115	80
16	108	72	92	87	98	83
17	164	47	114	89	115	99
18	106	56	95	46	89	53
19	125	53	106	71	105	75
20	95	45	75	62	76	63
21	57	24	50	27	55	25
22	77	42	77	42	77	41
	2664	1313	2294	1633	2298	1689

Hart's majority, 1351
Leeds' majority, 661
Maloney's majority, 618

28th WARD.

1	109	51	86	77	89	83
2	151	52	117	76	120	111
3	158	61	115	89	115	101
4	224	77	175	117	111	190
5	152	93	130	110	129	114
6	65	60	53	71	42	81
7	72	76	68	86	72	82
8	172	104	125	109	91	141
9	205	97	174	126	175	126
10	211	81	170	121	168	125
11	173	66	131	90	81	136
12	225	72	162	91	89	185
13	120	126	88	150	95	149
14	70	45	56	59	57	57
15	218	191	173	228	130	273
16	99	79	82	90	55	121
17	115	153	108	111	93	170
18	201	91	151	143	140	150
19	178	117	139	144	138	156
20	119	59	100	71	80	96
21	108	125	102	129	80	142
22	157	105	124	106	146	152
23	191	119	161	146	152	155
24	140	109	121	129	104	146
25	128	51	82	85	88	78
26	191	83	150	122	168	111
27	148	66	119	79	93	119
28	148	98	109	133	113	132
29	187	125	155	151	158	150
30	153	83	114	118	113	123
31	157	64	108	87	114	86
32	88	72	62	78	61	84
33	86	78	71	90	39	124
34	79	46	66	58	50	75
35	119	123	98	124	97	144
36	93	95	70	115	70	117
37	99	42	66	66	73	67
	5085	3264	4108	4050	3686	4584

Hart's majority, 1821
Leeds' majority, 58
Dechert's majority, 898

29th WARD.

1	114	70	91	89	96	87
2	110	73	72	101	86	91
3	85	110	68	125	62	124
4	82	100	69	110	74	109
5	61	125	65	121	64	125
6	174	84	115	134	106	140
7	115	39	89	53	101	54
8	206	84	164	118	180	108
9	148	72	104	111	114	107
10	119	59	86	85	94	82
11	129	64	96	101	94	101
12	105	66	72	86	76	85
13	124	108	90	135	97	134
14	106	48	91	58	95	56
15	170	72	93	138	101	139
16	166	86	137	115	136	118
17	163	50	141	75	153	63
18	147	70	119	100	121	98
19	141	69	98	111	105	105
20	126	84	64	144	91	122
21	115	79	100	92	102	96
22	120	70	106	78	108	81

30th WARD.—Continued.

Division.	State Treas. Hart.	Sheriff. McGrann.	Leeds.	Krumbhaar.	Maloney.	Dechert.
23	111	76	97	86	98	8
24	124	79	83	115	94	10
25	123	153	82	164	88	16
26	102	67	77	89	79	9
27	124	104	80	142	77	16
28	110	142	78	166	84	12
29	91	111	82	120	78	12
30	138	79	91	123	83	12
31	157	41	118	72	129	7
32	88	127	71	143	77	13
33	67	117	63	121	60	12
34	151	64	126	82	140	8
35	74	124	66	133	61	13
36	109	80	81	106	82	10
37	151	50	107	78	117	8
38	112	80	94	93	89	10
39	78	77	46	103	48	9
40	94	57	73	71	79	6
	4835	3288	3688	4236	3889	417

Hart's majority, 1547
Krumbhaar's maj., 548
Dechert's majority, 286

30th WARD.

1	208	67	205	72	197	7
2	145	80	132	87	139	8
3	135	106	108	128	114	12
4	165	62	143	84	143	8
5	185	85	163	116	165	11
6	161	83	140	100	140	10
7	127	124	113	134	121	12
8	120	100	104	111	109	10
9	147	54	136	65	138	6
10	120	55	107	72	112	6
11	142	49	132	51	130	6
12	145	78	135	87	153	9
13	83	89	77	91	77	9
14	134	109	119	121	127	11
15	157	105	151	112	91	15
16	188	89	172	102	177	10
17	161	89	143	98	151	9
18	174	78	143	98	158	9
19	121	88	112	91	116	9
20	151	123	138	112	112	13
21	62	158	59	161	60	16
22	131	118	124	124	130	12
	3069	1961	2759	2188	2846	218

Hart's majority, 1108
Leeds' majority, 571
Maloney's majority, 665

31st WARD.

1	148	60	122	84	125	8
2	125	57	110	79	115	7
3	159	55	117	96	117	9
4	165	102	153	115	149	12
5	183	86	159	107	170	9
6	140	114	119	131	122	13
7	142	64	120	83	128	7
8	205	79	179	87	188	9
9	138	68	119	83	119	8
10	101	90	79	110	82	10
11	118	97	102	107	103	11
12	116	66	90	85	96	8
13	133	73	89	94	93	7
14	152	73	134	87	143	8
15	162	96	141	111	150	13
16	110	129	106	133	104	13
17	134	121	129	122	133	11
18	178	88	172	93	173	4
19	131	74	113	93	128	8
20	140	80	115	104	116	10
21	95	125	86	135	78	14
22	116	189	109	199	105	20
23	123	124	126	128	131	12
24	127	158	118	166	115	17
25	83	156	74	163	73	16
	3410	2394	3010	2744	3084	273

Hart's majority, 1016
Leeds' majority, 266
Maloney's majority, 374

Sporting Records.

In almost every department of out-door sports the year 1887 was pre-eminently an active and a successful one. More money was offered in stakes and premiums than in any previous year, and more money was taken in in the shape of gate receipts. Particularly was this true of trotting and running horse races, and in the base ball season, while the interest in all college and minor sports, apart from the money consideration, was never before so great and widespread.

With all its promising features, however, the year 1887 was a poor one for record breaking. In almost all lines the records that had been made previous to 1887 stand at the top still.

TURF RUNNING RECORDS.

Following are the best records for running dashes by horses, at all distances:

Distance.	Name.	Place	Date.	Time.
¼ mile	Belle	Galveston, Texas	July 3, 1880	0.21¾
⅝ mile	Ailsie (4), by Grindstone	Little Rock, Ark	April 25, 1882	0.36½
⅝ mile	Olitipa (2), by Leamington, 97 lbs	Saratoga, N. Y	July 24, 1874	0.47¾
⅝ mile	Jim Renwick (5), by Joe Hooker, 115 lbs	San Francisco, Cal	Nov. 3, 1883	1.00½
¾ mile	Force (5), by West Roxbury, 121 lbs	Louisville, Ky	Sept. 24, 1883	1.13
⅞ mile	Joe Cotton (4), by King Alfonso, 106 lbs	Sheepshead Bay, N. Y	June 30, 1886	1.27¼
	Rico (4), by Bullion, 90 lbs	Chicago, Ill	July 28, 1886	1.27½
	Telie Doe (4), by Great Tom, 106½ lbs	Washington, D. C	Nov. 8, 1886	1.27½
1 mile	Pearl Jennings (5), by Lelaps, 106½ lbs	Sheepshead Bay, N. Y	Sept. 16, 1881	1.40½
	Boardman (4), by Bonnie Scotland, 91 lbs	Sheepshead Bay, N. Y	Sept. 20, 1880	1.40¾
1 1-16 miles	Jim Douglas (aged), by Wildidle, 122 lbs	Chicago, Ill	June 29, 1886	1.47½
1¼ miles	Spalding (4), by Billet, 97 lbs	Chicago, Ill	July 1, 1886	1.53¼
	Rosalie (4), by Leamington, about 80 lbs	Brighton Beach, N. Y	Aug. 13, 1881	1.53¼
1 3-16 miles	Highflight (5), by King Ban, 108 lbs	Lexington, Ky	Oct. 20, 1886	2.01¾
1¼ miles	Binette (5), by Billet, 101 lbs	Chicago, Ill	July 12, 1886	2.07½
	La Sylphide (4), by Fellowcraft, 98 lbs	Lexington, Ky	Oct. 22, 1886	2.07½
1 mile 500 yds.	Bend Or (4), by Buckden, 115 lbs	Saratoga, N. Y	July 25, 1882	2.10½
1⅝ miles	Uncas (4), by Lexington, 107 lbs	Sheepshead Bay, N. Y	Sept. 23, 1880	2.21¾
1½ miles	Luke Blackburn (3), by Bonnie Scotl'd, 103 lbs	Monmouth Park, N. J	Aug. 17, 1880	2.34
	Jim Guest (4), by Buckden, 98 lbs	Chicago, Ill	July 24, 1886	2.34
1⅝ miles	Exile (4), by Mortemer, 115 lbs	Sheepshead Bay, N. Y	Sept. 11, 1886	2.48¾
1⅝ miles	Glidelia (5), by Bonnie Scotland, 116 lbs	Saratoga, N. Y	Aug. 5, 1882	3.01
1⅞ miles	Enigma (4), by Enquirer, 90 lbs	Sheepshead Bay, N. Y	Sept. 15, 1885	3.20
2 miles	Ten Broeck (5), by Phaeton, 110 lbs	Louisville, Ky	May 29, 1877	3.27¼
	Wild Moor (6), by Longfellow	Kansas City, Mo	Sept. 29, 1882	3.28
	Bushwhacker (aged), by Bonnie Scotl'd, 99 lbs	Saratoga, N. Y	Aug. 18, 1881	3.30
2⅛ miles	Monitor (4), by Glenelg, 110 lbs	Baltimore, Md	Oct. 20, 1880	3.44¼
2¼ miles	{Springbok (5), by Australian, 114 lbs. } {Preakness (aged), by Lexington, 114 lbs. }	Saratoga, N. Y	July 29, 1875	3.56¼
2¼ miles	Aristides (4), by Leamington, 104 lbs	Lexington, Ky	May 13, 1876	4.27½
2⅜ miles	Ten Broeck (4), by Phaeton, 104 lbs	Lexington, Ky	Sept. 16, 1876	4.58½
2¾ miles	Hubbard (4), by Planet, 107 lbs	Saratoga, N. Y	Aug. 9, 1873	4.58¾
3 miles	Drake Carter (4), by Ten Broeck, 115 lbs	Sheepshead Bay, N. Y	Sept. 6, 1884	5.24
3 miles	Ten Broeck (4), by Phaeton, 104 lbs	Louisville, Ky	Sept. 27, 1876	7.15¾
	Fellowcraft (4), by Australian, 108 lbs	Saratoga, N. Y	Aug. 20, 1874	7.19½

TROTTING RECORDS.

Following are the best trotting records, in harness:

Distance.	Name.	Place.	Date.	Time.
1 mile by a mare	Maud S	Cleveland, O	July 30, 1885	2.08¾
1 mile by a gelding	Jay-Eye-See	Narragansett, R. I	Aug. 1, 1884	2.10
1 mile by a stallion	Maxey Cobb	Narragansett, R. I	Sept. 30, 1884	2.13¼
1 mile on a half-mile track	Rarus	Toledo, O	July 20, 1878	2.16
1 mile in a race	Maud S (third heat)	Chicago, Ill	July 24, 1880	2.13¼
1 mile by a yearling	Hinda Rose	San Francisco, Cal	Nov. 14, 1881	2.36½
1 mile by a two-year-old	Wildflower	San Francisco, Cal	Oct. 22, 1881	2.21
1 mile by a three-year-old	Hinda Rose	Lexington, Ky	Oct. 10, 1883	2.19¼
	(Both for a third heat in a race.)			
1 mile by a four-year-old	Manzanita	Lexington, Ky	Sept. 3, 1886	2.16
1 mile by a five-year-old	Jay-Eye-See	Narragansett, R. I	Sept. 13, 1883	2.10¾
Best 2 heats	Jay-Eye-See	Philadelphia, Pa	Aug. 15, 1884	2.11, 2.10¼
Best 3 heats	Maud S	Philadelphia, Pa	July 29, 1881	2.12, 2.13¼, 2.12¼
Best 3 heats by a stallion	Phallas	Philadelphia, Pa	Aug. 16, 1884	2.15, 2.14¼, 2.15¾
5 miles	Fanny Witherspoon	Chicago, Ill	Sept. 25, 1885	4.43
5 miles	Huntress	Prospect Park, Brooklyn	Sept. 21, 1872	7.21¼
5 miles	Lady Mack	Oakland, Cal	April 2, 1874	13.00
10 miles	Controller	San Francisco, Cal	Nov. 23, 1878	27.23¼
10 miles	Captain McGowen	Boston, Mass	Oct. 31, 1865	58.25

TO WAGON.

Distance.	Name.	Place.	Date.	Time.
1 mile	Hopeful	Chicago, Ill	Oct. 12, 1878	2.16¼
Best 3 heats	Hopeful	Chicago, Ill	Oct. 12, 1878	2.16½, 2.17, 2.1
2 miles	General Butler	Fashion Track, L. I	June 18, 1863	4.56¼
2 miles	Dexter	Fashion Track, L. I	Oct. 27, 1865	4.56¾
3 miles	Longfellow	Sacramento, Cal	Sept. 21, 1868	7.53
5 miles	Little Mac	San Francisco, Cal	Oct. 29, 1863	13.43¾
10 miles	John Stewart	Boston, Mass	June 30, 1863	28.02¾
20 miles	Controller	San Francisco, Cal	April 20, 1878	58.57

UNDER SADDLE.

1 mile	Great Eastern	Fleetwood Park, N. Y	Sept. 22, 1877	2.15¾
2 miles	George M. Patchen	Fashion Course, L. I	July 1, 1863	4.56
3 miles	Dutchman	Beacon Course, Hobn, N.J	Aug. 1, 1839	7.32½

WITH RUNNING MATE.

1 mile	H. B. Winship	Narragansett, R. I	Aug. 1, 1884	2.06

BY TEAMS.

1 mile—Maud S. and Aldine, at Gentlemen's Driving Park, N. Y., driven by W. H. Vanderbilt to a roa wagon (not a record), 2.15½

1 mile—Maxey Cobb and Neta Medium, Gentlemen's Driving Park, N. Y., driven by John Murphy t skeleton wagon for a record, 2.15¾.

UNDER 2.18 TROTTERS.

The following horses have trotted better than 2.18:

Name.	Description.	Sire.	Record.	Heats.
Maud S	ch m	Harold	2.08¾	28
Jay-Eye-See	blk g	Dictator	2.10	29
St. Julien	b g	Volunteer	2.11¼	43
Maxey Cobb	b h	Happy Medium	2.13¼	6
Rarus	b g	Conklin's Abdallah	2.13¼	67
Harry Wilkes	b g	George Wilkes	2.13½	91
Belle Hamlin	b m	Hamlin's Almont Jr	2.13¾	13
Phallas	b h	Dictator	2.13¾	25
Clingstone	b g	Rysdyk	2.14	18
Goldsmith Maid	b m	Alexander's Abdallah	2.14	114
Trinket	b m	Princeps	2.14	29
Patron	b h	Pancoast	2.14¼	13
Hopeful	gr g	Godfr'y's Patchen	2.14¾	59
Lula	b m	Alexander's Norman	2.15	20
Majolica	b g	Startle	2.15	10
Belle F	b m	Masterlode	2.15¼	4
Guy Wilkes	b h	George Wilkes	2.15¼	16
Smuggler	b h	Blanco	2.15½	13
Clemmie G	ch m	Magic	2.15½	19
Hattie Woodward	b m	Aberdeen	2.15½	2
Jerome Turner	b h	Byerly Abdallah	2.15½	10
Phyllis	blkm	Phil Sheridan	2.15½	21
Bonny McGregor	b h	Robert McGregor	2.16	3
Manzanita	b m	Electioneer	2.16	5
Prince Wilkes	ch g	Red Wilkes	2.16	8
Anteeo	b h	Electioneer	2.16¼	4
Edwin Thorne	ch g	Thorndale	2.16¼	26
Fanny Witherspoon	ch m	Almont	2.16¼	24
Lucille Golddust	b m	Golddust	2.16¼	5
Maud Messen'r	b m	Messenger Chief	2.16¼	
Oliver K	b g	King Wilkes	2.16¼	
Wilson	b g	George Wilkes	2.16¼	
Arab	b g	Arthurton	2.16½	
American Girl	b m	Amos' C. M. Clay, Jr	2.16½	
Darby	b g	Delmonico	2.16½	
Jerome Eddy	b h	Louis Napoleon	2.16½	
Phil Thompson	gr g	Red Wilkes	2.16½	
Charley Ford	gr g	McKesson's Grey Eagle	2.16¾	
Occident	br g	Doc	2.16¾	
Director	blk h	Dictator	2.17	
Gloster	br g	Volunteer	2.17	
Mambrino Sparkle	b m	Fisk's Mamb. Chief, Jr	2.17	
Adair	b g	Electioneer	2.17¼	
Black Cloud	blk h	Ashland Chief	2.17¼	
Dexter	br g	Hambletonian	2.17¼	
J. Q	br g	Kentucky Prince, Jr	2.17¼	
Kitefoot	b m	Park's Volunteer	2.17¼	
Nellie R	ch m	Gen. McClellan, Jr	2.17¼	
Piedmont	ch h	Almont	2.17¼	
So So	b m	George Wilkes	2.17¼	
Zoe B	b m	Blue Bull	2.17¼	
Allan Roy	gr g	Patchen Vernon	2.17½	
Bessie	ch m	Blue Bull	2.17½	
Charles Hilton	b g	Louis Napoleon	2.17½	
Lot Slocum	b g	Electioneer	2.17½	
Rob't McGregor	ch h	Major Edsall	2.17½	
Santa Claus	b h	Strathmore	2.17½	
Duquesne	ch h	Tippoo Bashaw	2.17¾	
Hannis	ch h	Mambrino Pilot	2.17¾	
Joe Davis	br g	Dr. Herr	2.17¾	
Sally Benton	gr m	Gen. Benton	2.17¾	

During 1887 there were no less than twenty-three additions to the 2.20 list of trotters, viz.: Astral, Charley Hogan, David L., Favonia, Garnet, Houri, Judge Davis, Libby S., Loretta F., Lot Slocum, Lowland Girl, Mambrino Dudley, McLeod, Princeton, Prince Wilkes, Rosaline Wilkes, Royal Bounce, Sable Wilkes, Silverone, Sir Walter, Jr., Skylight Pilot, Stamboul, and Woodnut. Six trotters previously in the list lowered their records, viz.: Arab, Belle Hamlin, Harry Wilkes, J. Q., Kitefoot, and Patron. There now appears to be 177 trotters that have beaten 2.20.

THE GRAND CIRCUIT.

There were seven associations in the Grand rotting Circuit last year, Detroit having with-rawn and joined the American Trotting Asso-iation, a rival of the National Trotting Associa-ion organized in Detroit in May of last year. The ost successful meetings were those at Cleveland, ochester and Hartford. Few big campaigners ere developed. The greatest was Patron, 2.14½, y Pancoast, owned by Cleveland parties, who ame to the front at Cleveland and subsequently on the big $10,000 event at Hartford. Subse-uently he developed poor form and ended the eason badly. The other new horses were Prince Wilkes, 2.16, by Red Wilkes, owned by Geo. Sin-erly, Philadelphia, and Belle Hamlin, 2.13¾, by lmont Jr., owned by C. F. Hamlin, of Buffalo.

THE TROTTING SOVEREIGNS.

Following are the best trotters and pacers—overeigns of the turf during the years given:

Trotters.

806, Yankee (saddle)	2.59
810, A horse from Boston (saddle)	2.58¼
824, Topgallant (saddle)	2.40
830, Burster (saddle)	2.32
834, Edwin Forrest (saddle)	2.31½
843, Lady Suffolk (saddle)	2.28
844, Lady Suffolk (saddle)	2.26½
852, Tacony (saddle)	2.26
1853, Tacony (saddle)	2.25½
1856, Flora Temple	2.24½
1859, Flora Temple	2.19¾
1865, Dexter	2.18¼
1866, Dexter	2.18
1867, Dexter	2.17¼
1871, Goldsmith Maid	2.17
1872, Goldsmith Maid	2.16¾
1874, Goldsmith Maid	2.14
1878, Rarus	2.13¼
1879, St. Julien	2.12¾
1880, Maud S	2.10¾
1881, Maud S	2.10¼
1884, Jaye-Eye-See	2.10
1884, Maud S	2.09¾
1884, Maud S	2.09¼
1885, Maud S	2.08¾
1886, Not lowered.	
1887, Not lowered.	

Pacers.

1835, Oneida Chief (saddle)	2.31
1839, Drover (saddle)	2.30
1844, James K. Polk	2.23
1849, Dan Miller	2.23
1851, Tecumseh	2.21
1852, Roanoke	2.18¼
1855, Pocahontas (wagon)	2.17½
1868, Billy Boyce (saddle)	2.14¼
1879, Sleepy Tom	2.12¼
1881, Little Brown Jug	2.11¾
1883, Johnston	2.10
1884, Johnston	2.06¾
1886, Not lowered.	
1887, Not lowered.	

THE ENGLISH DERBY.

The Derby was first run on May 4, 1780. It was then a dash of a mile, and was won by Sir Charles anbury's Diomed, by Florizel. In 1799 he was imported into the United States, and to him can be raced nearly all the best of the American racing families. In 1784 the distance was increased to a ile and a half, and the weights raised to 105 pounds for colts and 102 pounds for fillies. The present urse was first used in 1872. In 1884 the weights were raised to 126 pounds for colts and 121 pounds for illies. Iroquois, 1881, was bred in the United States. The following are the winners since 1860:

Year.	Owner and Winner.	Sire.	No. Subs.	No. Starters.	Time, Unofficial.	Second.
1861	Colonel Townley's Kettledrum	Rataplan	240	18	2.43	Dundee.
1862	Mr. C. Sneeving's Caractacus	Kingston	233	34	2.45½	The Marquis.
1863	Mr. R. C. Naylor's Macaroni	Sweetmeat	255	31	2.50½	Lord Clifden.
1864	Mr. W. d'Anson's Blair Athol	Stockwell	234	20	2.43	General Peel.
1865	Count Legrange's Gladiateur	Monarque	249	29	2.46	Christmas Carol.
1866	Mr. Sutton's Lord Lyon	Stockwell	274	26	2.50	Savernake.
1867	Mr. H. Chaplin's Hermit	Newminster	256	20	2.52	Marksman.
1868	Sir J. Hawley's Blue Gown	Beadsman	262	18	2.43¼	King Alfred.
1869	Mr. J. Johnstone's Pretender	Advocate	247	22	2.52½	Pero Gomez.
1870	Lord Falmouth's Kingcraft	King Tom	252	15	2.45	Palmerston.
1871	Baron Rothschild's Favonius	Parmesan	209	17	2.50	{ Albert Victor. { King of the Forest.
1872	Mr. Saville's Cremorne	Parmesan	191	23	2.45½	Pell Mell.
1873	Mr. Merry's Doncaster	Stockwell	201	12	2.50	{ Gang Forward. { Kaiser.
1874	Mr. Cartwright's George Frederick	Marsyas	212	20	2.46	Couronne de Fer.
1875	Prince Batthyany's Galopin	Vedette	199	18	2.48	Claremont.
1876	Mr. A. Battazzi's Kisber	Buccaneer	226	15	2.44	Forerunner.
1877	Lord Falmouth's Silvio	Blair Athol	215	17	2.50	Glen Arthur.
1878	Mr. Crawfurd's Sefton	Speculum	231	22	2.56	Insulaire.
1879	Mr. Acton's Sir Bevys	Favonius	278	23	3.02	Palmbearer.
1880	Duke of Westminster's Bend Or	Doncaster	257	19	2.46	Robert the Devil.
1881	Mr. P. Lorillard's Iroquois	Leamington	242	15	2.50	Peregrine.
1882	Duke of Westminster's Shotover	Hermit	198	14	2.45⅔	Quicklime.
1883	Sir F. Johnstone's St. Blaise	Hermit	215	11	2.48⅔	Highland Chief.
1884	{ Mr. J. Hammond's St. Gatien / Sir J. Willoughby's Harvester	Rotherhill or The Rover Sterling	189	15	2.46¼	
1885	Lord Hasting's Melton	Master Kildare	189	12	2.44½	Paradox.
1886	Duke of Westminster's Ormonde	Bend Or	199	9	2.45⅔	The Bard.
1887	Douglas Baird's Merry Hampton	Hampton	162	7	2.43	The Bard.

HIGHEST PRICED TROTTERS.

There are always plenty of bidders on horses which achieve something out of the ordinary. Merit commands cash. Here is a list of colts and matured horses which have brought the most money at private sale:

Weanling—B. c. Charles Bachman, bred at Stony Ford: foaled May, 1866; by Hambletonian, dam Kate Seeley, by Walden's Messenger; sold to J. G. Wood, of West Milbury, Mass., by Chas. Backman $5,000

Two-year-old—Br. c. Chimes, bred at Palo Alto, California; foaled April 4, 1885; by Electioneer, dam Beautiful Bells, by The Moor; second dam Minnehaha, by Bald Chief: sold by Leland Stanford to C. J. Hamlin, Village Farm, Buffalo..... 12,000

Three-year-old—B. h. Startle, bred at Stony Ford, foaled spring of 1867; by Hambletonian, dam Lizzie Walker, by Seely's American Star; second dam by Conning's Blackbird; three-year-old record, 2.36; sold by George B. Alley to Robert Bonner, New York 20,000

Four-year-old—Ch. m. Maud S.; bred at Woodburn, Ky.; foaled March 28, 1874; by Harold, dam Miss Russell, by Pilot, Jr.; second dam Sally Russell, by Boston; sold after four-year-old trial of 2.17½ to Wm. H. Vanderbilt, of New York, by Geo. N. Stone..... 21,000

Stallion—B. h. Jay Gould, bred in Orange Co., N. Y.; foaled Spring of 1864; by Hambletonian, dam Lady Sanford, by Seely's American Star; second dam Old Sorrel, by Exton Eclipse; sold in August, 1872, to Jay Gould, James Fisk, Jr., and George C. Hall, and by them sold to Henry N. Smith and Charles H. Kerner 35,000

Gelding—B. g. Rarus, bred by R. B. Conklin, Greenport, L. I.; foaled Spring of 1867; by Conklin's Abdallah, dam Nancy Awful, by Telegraph; record 2.13¼; sold to Robert Bonner, New York, by R. B. Conklin..... 36,000

Mare—Ch. m. Maud S., bred at Woodburn, Ky.; foaled March 28, 1874; by Harold, dam Miss Russell; record 2.08¾; sold by W. H. Vanderbilt to Robert Bonner, New York 40,000

The highest prices paid under the hammer were:

Brood mare—B. m. Reina Victoria, bred at Glenview, Ky., foaled Aug. 23, 1875; by Hambletonian, dam Hyacinth, by Volunteer; second dam Clara (dam of Dexter), by Seely's American Star; sold at Glenview sale, Oct. 12, 1886, Capt. C. P. Kidd, auctioneer, to F. Seacord, Galesburg, Ill... 7,025

Stallion—B. h. Pancoast, bred at Woodburn, Ky., foaled May 3, 1877, by Woodford, Mambrino, dam Bicara, by Harold; second dam Belle (dam of Belmont), by Mambrino Chief: sold at Glenview sale, Oct. 12, 1886, Capt. C. P. Kidd, auctioneer, to John H. Shults, Brooklyn, N. Y..... 28,000

The fastest mare, Maud S., was bred at Woodburn, in Kentucky; the fastest one, two and four year-olds, Norlaine, Wildflower and Manzanita, were bred at Palo Alto, California, and the grandsire, Electioneer, and the dam, Elain, of the fastest yearling, Norlaine, 2.31½, were bred at Stony Ford. These three establishments represent the three great breeding sections of the country.

COLLEGIATE FOOT BALL.

The following teams represented the five colleges belonging to the Inter-Collegiate Foot Ball Association in the championship contest of 1887:

YALE.—Bull, full back; Wurtemburg and W. Graves, half backs; Beecher (capt.), quarter back; Wallace, Gill, Carter, Corbin, Woodruff, Cross and Pratt, rushers.

HARVARD.—Sears, full back; Holden (capt.) and Boyden, half backs; Harding, quarter back; Cumnock, Wood, Woodman, Markoe, Trafford, Butler, Bancroft, rushers.

PRINCETON.—Ames, full back; Channing and L. Price, half backs; Hancock, quarter back; Hodge, Church, Cowan, George, Irvine, Speir, Wagenhurst (capt.), rushers.

WESLEYAN.—Slayback, full back; Hamlen and Clark, half backs; Beattys (capt.), quarter back; McDonald, Richards, Eaton, Wells, Heath, Fisk, Floy, rushers.

PENNSYLVANIA.—Graham, full back; Colloda and Hulme, half backs; Church, quarter back; Miel (capt.), Sypher, Bowser, Shell, Spaeth, Dewey, Ziegler, rushers.

Following is the record for 1887:

Oct.	29,	Princeton defeated Wesleyan at Princeton	69
"	29,	Yale defeated Pennsylvania at Philadelphia	45
Nov.	5,	Harvard defeated Wesleyan at Cambridge	112
"	5,	Princeton defeated Pennsylvania at Philadelphia	95
"	12,	Harvard defeated Princeton at Cambridge	12
"	12,	Yale defeated Wesleyan at New Haven	68
"	19,	Yale defeated Princeton at New York	12
"	19,	Harvard defeated Pennsylvania at Cambridge (30 minute halves.)	42
"	24,	Wesleyan defeated Pennsylvania at New York	10
"	24,	Yale defeated Harvard at New York	17

SUMMARY.	Won.	Lost
Yale	4	0
Harvard	3	1
Princeton	2	2
Wesleyan	1	3
Pennsylvania	0	4

Following is the record of the Inter-Collegiate championship for the past ten years:

1878, Championship to Princeton.
1879, Championship to Yale.
1880, Championship to Yale.
1881, Tie (Princeton and Yale).
1882, Championship to Yale.
1883, Championship to Yale.
1884, Championship to Yale.
1885, Championship to Princeton.
1886, Tie (Princeton and Yale).
1887, Championship to Yale.

The opposing teams in 1887 were as follows:

	Yale.	Height.	Age.	W
W. Wallace, '89		5 10	22	1
Francis C. Pratt, '88		5 11	20	1
Charles O. Gill, '89		5 9	19	1
Samuel M. Cross, '88		5 11	20	1
John F. Carter, '88		5 11	20	1
G. W. Woodruff, '89		6 ...	23	1
William H. Corbin, '89		6 1	23	1
Harry Beecher, '88		5 8	21	1
William T. Bull, '88		5 11	21	1
William P. Graves, '91		5 10	16	1
Addison Graves, '88		5 11	19	1

They played in the following positions: Rushers—Wallace, Pratt and Corbin. Tacklers—Gill and Cross. Guards—Carter and Woodruff. Quarter back—Beecher. Half backs—W. P. Graves and A. Graves. Full back—Bull.

The team averaged 158 pounds in weight, 5 years in age, and 5 feet 10 inches in height.

Harvard.

	Height.	Age.	Wt.
J. Cumnock, '91	5 8¼	19	155
C. Woodman, '88	5 8	22	165
W. Wood, Jr., '88	5 9	20	171
B. Markoe, '89	5 11¼	22	185
D. Trafford, '89	5 11½	21	172
P. Butler, '88	5 9	21	165
D. Bancroft, '88	5 8¼	21	165
M. Harding, '89	5 5	21	152
A. Porter, '88	5 8	21	159
W. Boyden, L. S	5 8	24	157
H. Sears, '90	5 11½	22	164
C. Wurtemburg, '89	5 10	22	140

They played in the following positions: Rushers umnock, Markoe and Bancroft. Tacklers—oodman and Butler. Guards—Wood and Traford. Quarter back—Harding. Half backs—Porr and Boyden. Full back—Sears.

The team averaged 165 pounds in weight, 21 ears in age and 5 feet 9 inches in height.

BASE BALL.

The professional base ball season of 1887 inuded more associations and more clubs than any one preceding year. The seven most rominent professional associations contained in eir ranks over fifty clubs, which gave employent to nearly seven hundred players, and which articipated in upwards of three thousand championship games.

The new rules, jointly adopted by the National eague and American Association, were perfectly uccessful, so much so that they have been reopted, with very slight changes, for the season f 1888. Good batting was one of the particular eatures of the season, and this was made possie by the new restrictions placed upon the tchers, and allowing the batsman an additional rike. While pitchers were not so effective as in rmer years their work showed to better advange. The continuance of the four-strike rule ould have insured still heavier batting in 1888, t the base ball powers that be have decided to olish it, and re-establish the old rule of three rikes and out.

National League.

The National League season was full of exciting vents. The pennant struggle was one of uncerinty from the start. So evenly matched were e clubs that there were many favorites for top nors. The struggle between Detroit and Chiago was one of absorbing interest. Detroit mped to the lead on May 4th, and was never eaded, but was tied for one day by Chicago. owards the finish Detroit shot ahead, and then gan the remarkable struggle for second place tween Philadelphia, Chicago and New York. he Phillies gained the coveted honor by winning eir last sixteen championship games, forcing hicago into third and New York into fourth ace. The full season's record was as follows:

CLUBS.	Boston.	Chicago.	Detroit.	Indianapolis.	New York.	Philadelphia.	Pittsburg.	Washington.	Games Won.
oston	...	6	7	11	7	9	11	10	61
hicago	9	...	10	13	11	12	5	11	71
etroit	11	8	...	14	10	10	13	13	79
dianapolis	7	5	4	...	3	1	7	10	37
ew York	10	6	8	15	...	7	12	10	68
hiladelphia	9	6	8	17	10	...	12	13	75
ittsburg	7	12	4	11	6	6	...	9	55
ashington	7	7	4	8	8	3	9	...	46
ames Lost	60	50	45	89	55	48	69	76	494

SUMMARY.

	Played.	Won.	Lost.	Per cent.
Detroit	124	79	45	.637
Philadelphia	123	75	48	.610
Chicago	121	71	50	.586
New York	123	68	55	.553
Boston	121	61	60	.504
Pittsburg	122	53	69	.443
Washington	122	46	76	.377
Indianapolis	126	37	89	.293

American Association.

The St. Louis Club will fly the American Association championship flag for 1888 for the third consecutive year. The Association fight was not so thrilling or exciting as that of the League. The well-trained champions of St. Louis out-classed their rivals from the start, and they were never headed during the whole season. There was an exciting struggle for second honors, but Cincinnati landed them somewhat easily at the finish, and Baltimore beat Louisville out of third place by a very slight percentage. The full season's record was as follows:

CLUBS.	Athletic.	Baltimore.	Brooklyn.	Cincinnati.	Cleveland.	Louisville.	Metropolitan.	St. Louis.	Games Won.
Athletic	...	6	8	9	14	8	11	8	64
Baltimore	14	...	10	11	17	7	15	3	77
Brooklyn	10	9	...	7	13	8	9	4	60
Cincinnati	11	9	13	...	11	8	17	12	81
Cleveland	4	3	6	6	...	8	11	1	39
Louisville	11	11	12	12	11	...	12	7	76
Metropolitan	7	4	9	3	8	8	...	5	44
St. Louis	12	16	16	6	18	13	14	...	95
Games Lost	69	58	74	55	92	60	89	40	

SUMMARY.

	Played.	Won.	Lost.	Per cent.
St. Louis	135	95	40	.704
Cincinnati	135	81	54	.600
Baltimore	135	77	58	.570
Louisville	136	76	60	.559
Athletic	133	64	69	.481
Brooklyn	134	60	74	.448
Metropolitan	133	44	89	.331
Cleveland	131	39	92	.298

The World's Series.

At the conclusion of the regular championship season the Detroit and St. Louis clubs, respectively champions of the League and Association, played fifteen games to decide the championship of the world. St. Louis held the title for two years, but the Detroits wrested it from the Association champions in an unexpected and easy manner. The games played were as follows:

DETROIT VICTORIES.

Oct. 11. At St. Louis—Detroit, 5; St. Louis, 3.
Oct. 12. At Detroit—Detroit, 2; St. Louis, 1.
Oct. 13. At Pittsburg—Detroit, 8; St. Louis, 0.
Oct. 15. At New York—Detroit, 9; St. Louis, 0.
Oct. 17. At Philadelphia—Detroit, 3; St. Louis, 1.
Oct. 18. At Boston—Detroit, 9; St. Louis, 2.
Oct. 19. At Philadelphia—Detroit, 4; St. Louis, 2.
Oct. 21. At Baltimore—Detroit, 13; St. Louis, 3.
Oct. 23. At Detroit—Detroit, 6; St. Louis, 3.
Oct. 24. At Chicago—Detroit, 4; St. Louis, 3.

ST. LOUIS VICTORIES.

Oct. 10. At St. Louis—St. Louis, 6; Detroit, 1.
Oct. 14. At Brooklyn—St. Louis, 5; Detroit, 2.
Oct. 21. At Washington—St. Louis, 11; Detroit, 4.
Oct. 22. At Brooklyn—St. Louis, 5; Detroit, 1.
Oct. 25. At St. Louis—St. Louis, 9; Detroit, 2.

According to *The Times* scores, Detroit led in both batting and fielding, as follows:

CLUB BATTING.

	Games.	At Bat.	Runs.	Base Hits.	Average.
Detroit.....	15	544	72	147	.270
St. Louis.....	15	547	54	143	.261

CLUB FIELDING.

	Games.	Put out.	Assists.	Errors.	Total chances.	Per ct. av.
Detroit.....	15	364	217	43	624	.931
St. Louis...	15	389	236	68	693	.902

In the fifteen games the Detroit players had forty stolen bases, divided as follows: Richardson, 7; Ganzel, 5; Rowe, 4; Thompson, 4; White, 2; Dunlap, 3; Bennett, 4; Hanlon, 8; Baldwin, 1; Getzein, 1; Twitchell, 1.

The St. Louis players had thirty stolen bases, divided as follows: Latham, 17; Comiskey, 4; Gleason, 1; Foutz, 1; Welch, 1; Robinson, 3; Caruthers, 3.

ROWING RECORDS.

The professional champion of the world is William Beach, of Australia, and the professional champion of America, Jacob A. Gaudaur, of St. Louis. An effort was made by Edward Hanlan, on November 25th, of last year, to wrest the world's championship from Beach. The trial was made at Sydney, New South Wales, but was unsuccessful, Beach again winning—time, 19.55¾. Following are the records for the distances and craft named:

Single Sculls.

Dist.	m. s.
1 mile.—Ellis Ward, Savannah river, April 1, 1872.....	5.01
2 miles—J. Tyler, Hudson river, opposite Hoboken, June 21, 1868.....	11.20
3 miles—Edward Hanlan, Lake Quinsigamond, Worcester, Mass., August 14, 1886.....	19.23
4 miles—Edward Hanlan, Ogdensburg, N. Y., July 23, 1883.....	27.57½
5 miles—Edward Hanlan, Chatauqua Lake, N. Y., October 16, 1879.....	33.56¼

Pair-Oared Shells.

2 miles—J. A. Riley and J. H. Kennedy, Greenwood Lake, N. Y., October 9, 1876.....	12.20¾
3 miles—J. Faulkner and P. Regan, Philadelphia, Pa., September 5, 1876.....	20.28
5 miles—John and Barney Biglin, Philadelphia, Pa., May 20, 1872.....	32.01

Double Sculls.

2 miles—F. E. Yates and C. E. Courtney, Saratoga Lake, August 8, 1876.....	12.16
3 miles—P. H. Conley and C. E. Courtney, near Albany, N. Y., August 20, 1885..	17.57¼

Four-Oared Shells.

3 miles—Argonauta Rowing Association, Kill von Kull, N. J., September 8, 1875.....	15.37¼
4 miles—Ward Brothers (Joshua, Ellis, Gilbert and Hank), Saratoga Lake, N. Y., September 11, 1871.....	24.40
5 miles—John, James and Barney Biglin and Dennis Leary, Harlem River, N. Y., September 10, 1869.....	30.44¾
6 miles—E. Ross, S. Hutton, J. Price and R. Fulton (the famous Paris crew), St. Johns, N. B., August 23, 1871.....	39.20⅝

Six-Oared Shells.

3 miles—Amherst University crew, consisting of G. E. Brewer, B. L. Brown, L. Bradly, Jr., F. M. Wilkins, A. J. Benedict and W. Negley, Springfield, Mass., July 24, 1872.....	16.32½

Eight-Oared Shells.

Dist.	m.
3 miles—Cornell University Freshmen crew, consisting of Curtice, Foster, Waterbury, Cowles, Allen, Jaynes, Cole and Shinkle, Owasco Lake, July 17, 1878.....	17.1
4 miles—Harvard University crew, consisting of A. Crocker, N. M. Brigham, B. J. Legate, M. R. Jacobs, Van Der Lyn Stow, W. H. Schwartz, F. W. Smith and W. Bancroft, with F. H. Allen as coxswain, New London, Conn., June 28, 1878.....	20.4

University Eights.

The Harvard and Yale University "eigh have rowed annually as follows—distance, f miles straight:

Date.	Course.	Winner.	Tin
June 30, 1876...	Springfield.....	Yale.....	22.0
June 30, 1877...	"	Harvard...	24.3
June 28, 1878...	New London.....	" ...	20.4
June 27, 1879...	"	" ...	22.1
July 1, 1880.....	"	Yale.....	24.2
July 1, 1881.....	"	"	22.1
June 30, 1882...	"	Harvard...	20.4
June 28, 1883...	"	" ...	24.2
June 26, 1884...	"	Yale.....	20.3
June 26, 1885...	"	Harvard...	25.1
July 2, 1886.....	"	Yale.....	20.4
July, 1887.....	"	"	.....

Sculling Champions.

Following is the record for the American sc ling championship. All races were rowed w turn:

Date.	Winner.	Loser.	Dis.	Tir
			m.	m.
1859...	J. Ward.....	T. Daw, etc..	5	35.
1862...	J. Hamill.....	J. Ward.....	3	22.
1862...	J. Hamill.....	J. Ward.....	5	37.
1863...	J. Ward.....	J. Hamill.....	5	42.
1863...	J. Hamill.....	J. Ward.....	5	37.
1864...	J. Hamill.....	J. Ward.....	5	40.
1867...	W. Brown.....	J. Hamill.....	5	46.
1867...	J. Hamill.....	W. Brown.....	5	Sun
1868...	J. Hamill.....	H. Coulter.....	5	37.
1868...	W. Brown.....	H. Coulter.....	†	34.
1874...	G. Brown.....	W. Scharff.....	5	*
1874...	G. Brown.....	E. Morris.....	5	37
1875...	E. Morris.....	H. Coulter.....	†	*
1875...	E. Morris.....	H. Coulter.....	†	35.
1876...	W. Scharff.....	E. Morris.....	5	*
1877...	E. Morris.....	W. Scharff.....	5	36.
1877...	E. Morris.....	P. Luther.....	5	37.
1878...	E. Hanlan.....	E. Morris.....	5	37
1885...	J. Teemer.....	E. Hanlan.....	3	21.
1886...	G. W. Lee.....	E. Hanlan.....	†	17.
1886...	J. Gaudaur.....	J. Teemer.....	3	20.

*No official time taken. †The course measured l than the announced five miles. ‡Short course.

Gaudaur, the St. Louis oarsman, is still t champion of America, there having been change in 1887.

THE CHILDS CUP.

The Childs Cup is a trophy given by Mr. Geo W. Childs, of Philadelphia, to be rowed for an ally by university or college fours, without a c swain, a mile and a half straight away, on t Schuylkill River, above Flat Rock dam.

1879, June 24.—University of Pennsylvania, 9. Columbia College, 9.24½; Princeton College, 9.36

1880, June 28.—Columbia College, 9.04¾; Univ sity of Pennsylvania, 9.05¾; Princeton Colle 9.18½.

1881, July 5.—Princeton College rowed over, University of Pennsylvania disqualified.
1882, June 23.—University of Pennsylvania, 9.32; Princeton College, 9.36.
1883, June 15.—University of Pennsylvania, 9.31½; Princeton College, 9.36½.
1884, June 19.—University of Pennsylvania, 9.06¾; Cornell University, 9.07⅞; Princeton College, 9.17.
1885, June 19.—Cornell University, 8.51; University of Pennsylvania, 8.54½.
1886, June 22.—University of Pennsylvania rowed over, Cornell resigning the cup.
1887, July 11.—Cornell rowed over, University of Pennsylvania resigning cup.

WALKING RECORDS.

Following is the long-distance walking record, with number of hours walked, and name of person making the greatest distance. In the six-day contest George Littlewood leads as follows, the record having been made in New York, May 23, 1881:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
1..	9	1395	2..	18	1630	3..	26	1490

George Hazael holds the record for the next four hours, made in London, April 21, 1879:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
4..	33	1650	5..	40	1100	6..	47	1100	7..	54	935

Hazael made the following in New York City, February 27, 28, 1882:

H.	M.	Y.	H.	M.	Y.
8..	61	880	9..	68	880

In New York, May 9, 1881, Charles Rowell, of England, made the following records:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
10..	75	660	14..	100	880	18..	125	1715	22..	147	220
11..	82	1320	15..	107	1100	19..	129	880	23..	150	395
12..	89	1540	16..	114	880	20..	135	000	24..	150	395
13..	96	1540	17..	121	000	21..	140	1540	25..	150	395

The 26-hour record is held by John Hughes—153 miles, 880 yards—made in New York, October 23 and 26, 1882.

In February, 1882, Rowell also made the following:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
27..	157	1100	41..	229	1100	55..	282	880	69..	350	395
28..	163	660	42..	230	395	56..	288	220	70..	350	395
29..	163	1100	43	233	440	57..	293	440	71..	350	395
30..	174	220	44..	238	880	58..	298	1100	72..	353	220
31..	180	440	45..	243	220	59..	301	660	73..	357	1100
32..	185	660	46..	248	000	60..	307	1320	74..	358	1495
33..	188	220	47..	252	1320	61..	313	440	75..	358	1540
34..	193	1540	48..	258	220	62..	318	440	76..	364	000
35..	199	220	49..	260	395	63..	323	1540	77..	368	1320
36..	204	880	50..	260	395	64..	329	440	78..	374	175
37..	209	1540	51..	262	880	65..	332	175	79..	375	1100
38..	215	880	52..	267	295	66..	336	1100	80..	381	1100
39..	218	220	53..	272	660	67..	341	000	81..	383	615
40..	224	000	54..	278	175	68..	346	880	82..	383	615

3—387 miles 1100 yards, P. Fitzgerald, New York City, April 28 to May 1, 1884.

4—391 miles 1540 yards, Charles Rowell, New York City, February 27 to March 2, 1882.

P. Fitzgerald, New York City, April 28 to May 1, 1884:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
85..	396	660	89..	416	000	93..	434	440	97..	447	1320
86..	400	1320	90..	420	880	94..	439	440	98..	447	1320
87..	405	1540	91..	425	220	95..	444	000			
88..	411	220	92..	429	1320	96..	447	1320			

9—450 miles 1540 yards, George Hazael, New York City, February 27 to March 4, 1882.

P. Fitzgerald, New York City, April 28 to May 2, 1884:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
100..	455	1320	105..	479	1100	110..	500	220	115..	524	220
101..	460	440	106..	483	1320	111..	505	880	116..	528	660
102..	465	660	107..	489	440	112..	510	000	117..	530	220
103..	470	1100	108..	493	1540	113..	514	660			
104..	474	1100	109..	498	660	114..	519	440			

G. Hazael, New York City, February 27 to March 4, 1882:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
118..	532	1540	122..	541	000	126..	560	170	130..	572	880
119..	536	440	123..	547	1540	127..	563	440	131..	576	1320
120..	540	170	124..	552	1100	128..	569	000	132..	578	170
121..	540	170	125..	557	1100	129..	570	170	133..	578	170

P. Fitzgerald, New York City, April 28 to May 3, 1884:

H.	M.	Y.	H.	M.	Y.	H.	M.	Y.	H.	M.	Y.
133..	581	1320	136..	594	880	139..	605	660	142..	610	000
134..	585	880	137..	598	440	140..	608	000			
135..	589	880	138..	601	1320	141..	610	000			

Short Distance Walking.

Following are the best records for short distances:

1 hour—8 miles, 302 yards, John Meagher, New York, November 29, 1882.
2 hours—15 miles, 824 yards, William Perkins, London, Eng., July 16, 1877.
3 hours—22 miles, 456½ yards, H. Thatcher, London, Eng., February 20, 1882.
4 hours—27 miles, 440 yards, W. Franks, London, Eng., August 28, 1882.
24 hours—127 miles, 1210 yards, William Howes, London, Eng., February 23, 1878.
139¼ hours—531 miles, 677 yards, George Littlewood, Sheffield, Eng., March 6 to 11, 1882.

The following exceptional performances are recorded:

Greatest distance walked without rest, 122 miles, 25 hours, 58 minutes, Chas. A. Harriman, Truckee, Cal., April 6 to 7, 1883.

Greatest distance walked in 72 hours (12 hours each day), 363 miles, C. Faber, Pittsburg, Pa., June 28 to July 3, 1880.

6000 quarter miles in as many consecutive periods of ten minutes each, W. Gale, New York, June 28 to August 8, 1881.

5000 miles in 100 days, Sundays excluded, 50 miles daily, 1699¼ miles on high roads, and 3300¾ miles in halls and enclosures, Edward Payson Weston, England, November 21, 1883, to March 15, 1884.

JUMPING RECORDS.

Performance.	Professional.	Distance.		Amateur.	Distance.	
		Ft.	In.		Ft.	In.
Running long jump	E. W. Johnson	21	6½	M. W. Ford	23	3
Standing long jump	H. M. Johnson	10	10½	M. W. Ford	10	7½
Running high jump	E. W. Johnson, J. West	5	11	W. B. Page.	6	4
Standing high jump	E. W. Johnson	5	3	W. Soren...	5	1½
Running hop, step and jump	T. Burrows	43	8	J. Purcell (Ireland).	47	8
Standing hop, step and jump	G. Tait, (Scotland).	31	10	M. W. Ford	31	10
Three standing jumps				M. W. Ford	34	4½

William Byrd Page, who holds the champion running high jump record, is a Philadelphian, and a student in the University of Pennsylvania.

He made the phenomenal record 6 feet 3¾ inches, which gave him the championship of the world, in England, in August, 1887, and after his return home he surpassed his own record by a quarter of an inch, and it now stands at 6 feet 4 inches. Pennsylvania athletic grounds.

BICYCLE RECORDS.

The bicycle records are pretty one-sided affairs, for the reason that W. A. Rowe, a former shoemaker of Lynn, Mass., holds nearly all of them. Following are the records for 440 yards to 100 miles. Both Hendee of Springfield and Rowe of Lynn are now professionals:

Distance.	Professional.	Time.	Amateur.	Time.
		h. m. s.		h. m. s.
440 yds....	G. Hendee....	.33¾	W. A. Rowe.	.33¾
880 "	R. Howell....	.1.13	W. A. Rowe.	.1.12⅘
¾ m.....	W. A. Rowe.	.1.50¼	W. A. Rowe.	.1.55⅘
1 "	W. A. Rowe.	.2.29⅘	F. Furnivall (Eng.).....	.2.30
2 "	W. A. Rowe.	.5.11	W. A. Rowe.	.5.21⅘
3 "	W. A. Rowe.	.7.48¾	W. A. Rowe.	.8.07⅘
4 "	W. A. Rowe.	.10.40⅘	W. A. Rowe.	.11.11¾
5 "	W. A. Rowe.	.13.22¾	W. A. Rowe.	.14.07⅘
10 "	W. A. Rowe.	.27.07¼	W. A. Rowe.	.28.57⅘
20 "	W. A. Rowe.	.54.25⅘	W. A. Rowe.	.58.20
25 "	F. F. Ives.....	1.14.23	H. L. Cortis (Eng.).....	1.16.41⅗
50 "	F. F. Ives.....	2.33.54	Ion-Keith Falconer (Eng.).....	2.43.58⅘
100 "	G. W. Waller (Eng.).....	5.51.07	F. E. Dingley	5.38.44⅕

Greatest distance ridden in one hour, 22 miles, 150 yards, by W. A. Rowe. The amateur record from 51 to 100 miles was the only one broken during 1887. It was done at Boston by F. E. Dingley, of Chicago, on September 22, 1887. Following are his records in a five-mile ascending scale from 51 to 100:

Miles.	h. m. s.	Miles.	h. m. s.
51.....	2.45.58⅗	80.....	4.28.01⅘
55.....	2.59.35⅗	85.....	4.45.23⅕
60.....	3.16.42⅘	90.....	5.03.37⅕
65.....	3.34.13	95.....	5.20.52⅗
70.....	3.52.14	100.....	5.38.44⅕
75.....	4.10.15⅘		

Dingley's fastest mile was made in 3.01⅘, and the slowest in 3.50

POOL RECORD.

In the autumn of 1883 Albert Frey issued a challenge to play pool against all comers. It was not accepted, and he became the acknowledged champion.

A new championship tournament was played in New York, January, 1884, which was won by J. L. Malone; Albert Frey second.

Frey and Malone played a championship series best 80 in 159 games, in Brooklyn, May 15–19, 1886 31 games each evening, which Frey won by a score of 80 to 72.

LOCAL TROTTING MATTERS.

In this city there were held spring trotting meetings at Point Breeze, Suffolk, Belmont and the Gentlemen's Driving Parks, with fairly liberal purses. Autumn meetings were attempted, but were not successful, owing partly to the action of the authors in prohibiting betting and pool selling. The most important feature of local trotting matters last year was the opening in October of a new half-mile trotting track at Tacony, owned by the Tacony Driving Park Association.

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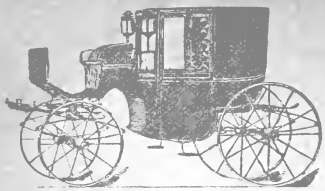

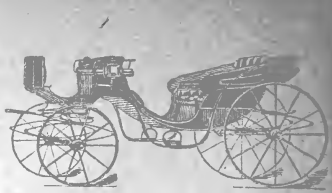

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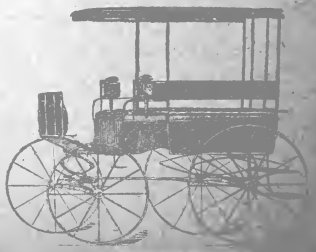

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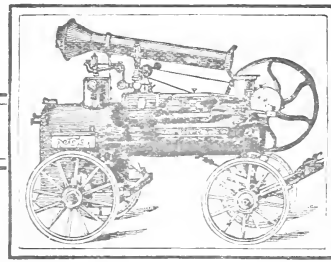

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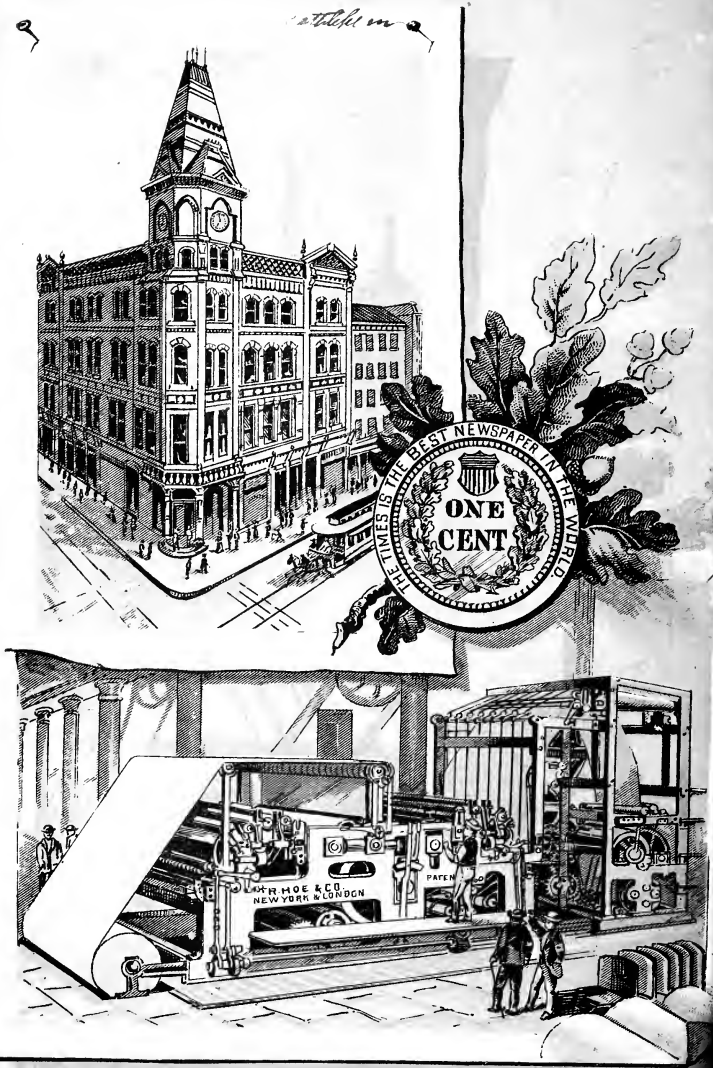
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